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World Class Range Of Construction Chemicals & Water Proofing Products

To Make Your Structures Live Long & Finest.!

Finest From the
CORE!



About Us:

Aneeb Chemicals Pvt. Ltd. aim is to deliver innovation that enables cost-efficient and smart construction solutions. The need for sustainable construction to address global environmental challenges is growing fast. We, at Aneeb Chemicals Pvt. Ltd., have continually developed innovative products and systems for our customers. Established in 2014, Aneeb Chemicals Pvt. Ltd. Is into construction chemicals, internal wall & ceiling covering products & having 10000 sq. Meter of manufacturing facility at the outskirts of Delhi-NCR.

Our complete product range includes Internal plastering solution, Water proofing solution, concrete chemical solution, external shuttering solution, repairing solution tile fixing solution & architectural safety glass solution "Aneeb GCF Glass Solution" interlayer is indigenous and is a photo cross linked interlayer using UV curing technology developed by chemistry department of CCSU & department of science & technology (Government of INDIA) under Make in India initiative. This technology is environment friendly and offers several advantages over conventional curing methods as follows. Aneeb GCF interlayer offers safe breakage & fragment retention, durable and cost efficient as the process saves energy and time. Aneeb "GCF" confirms to is standard & tested by government approved test lab.

We have team of highly experienced professionals who put their best efforts to utilize premium quality basic ingredients with the aid of sophisticated methods. we deliver a wide range of "construction chemicals & other building product & systems". With a strong customer relationship management and dedicated sales, marketing and logistics team Aneeb Chemicals Pvt. Ltd. Has further ensured the delivery of top quality customer service and strong sales network in Northern India.

Aneeb Chemicals Pvt. Ltd. have been able to carve a niche in this field as a well-reputed entity of this field. With extreme diligence and trustworthiness, we are working with an aim to serve clients from construction, chemical and many more industries.



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Aneeb BOND+

GYPSUM BONDING SOLUTION

Aneeb Bond+, is a bonding agent provides excellent performance to bond gypsum plasters/ Sand Cement Plaster on smooth low suction internal RCC surfaces and it eliminate hacking roughening and putting wire mesh on concrete surface.. It is an especially formulated ready to use adhesive consist in organ resins additives and additives.

How it work

The unique high polymer based formulation is one of unique formulation in the Emulsion state which can bind the concrete and plaster of Paris together. Some of the unique properties of the bonding adhesive are listed below:-

Free of POP: The formulation is free of POP and is a water based emulsion of high polymer Which has been stabilized under neutral conditions. The formulation is designed For ready to use.

Environment friendly /Safety for the workers: The formulation is water based and thus has pH near 7. The neutral pH of the Solution is not harmful for the worker and thus offers safety of the workers.

High Adhesion: It offers outstanding adhesion with the concrete with so high that the it is hard to broken with hammer in comparison with available solution. This formulation can Provide high adhesive strength due to interlocking of the POP created in the micro voids Created in the film as shown in the figure. The mechanical locking of the POP and chemical Interaction with POP is able to provide outstanding adhesion.



Packing : 1 kg, 5kg, 10kg, 20kg
Shelf life : 12 month if seal not open.
PH RANGE : 7-8
APPEARANCE / COLOR : GREEN

High Coverage:

This adhesive formulation has low wet density of 0.928 g/cm³ since it contains more Amount of high polymers than fillers. It also results in high coverage to the range of 6 sq/m.

High tensile strength of the polymer film used in the formulation:

The tensile strength of the polymer film is very high to the level of 2.35kN and thus it can bear more hanging load. Easy to apply due to low viscosity of 60 cPs at 60 rpm With spindle number in viscometer.

How to apply:

The bonding agent should be well shaken before applying the same on well cleaned surface. The surface should be cleaned with a piece of cloth and should be free of oil or any other organic matter. One coat of the film should be made with the help of brush. The formulation can be not Diluted by the addition of water and the addition of any other additive is not recommended. The formulation should be stored in clean dry and sealed container. The sealed container should be Avoided from the exposure of direct sunlight.

Product Features:

Ready to apply, not to be mixed or diluted

To be applied as a Single Coat.

Apply with help of a brush (used for painting) bristles width 4 or 6 Inches.

Simple paint application.

Contains fine aggregates to impart better mechanical bond.

Aneeb Bond+ is only the bonding agent which imparts both mechanical and chemical bond

Mechanical Bond - Imparted by the suspended fine aggregates, which are inert, Pure white in color.

Chemical Bond - Imparted by dry polymeric film. Green in color, easy to identify applied surfaces .

Apply Timing:

Gypsum Plaster will be applied any time once Aneeb Bond+ dries completely on to the surface approximate time for drying is 24 hours. (Again it would depend on the climatic conditions and location).

Coverage:

Approximate Coverage would be 6.0 Sq Mtr.per Kg. depends Up on background surface and its suction properties.

Caution:

1. Wash hands with water after use.

2. Keep away from Eye contact, in case of eye contact wash eye thoroughly with water, if irritation persists kindly consult physician If at all spills on clothes, wash them with plain water immediately.

Aneeb Spray 90

GYP SUM BONDING SOLUTION

Aneeb Spray 90, is a Spray based bonding agent provides excellent performance to bond gypsum plasters/ Sand Cement Plaster on smooth low suction internal RCC surfaces and it eliminate hacking roughening and putting wire mesh on concrete surface.. It is an especially formulated ready to use adhesive consist in organ resins additives and additives.

How it work

The unique high polymer based formulation is one of unique formulation in the Emulsion state which can bind the concrete and plaster of Paris together. Some of the unique properties of the bonding adhesive are listed below:-

Free of POP: The formulation is free of POP and is a water based emulsion of high polymer Which has been stabilized under neutral conditions. The formulation is designed For ready to use.

Environment friendly /Safety for the workers: The formulation is water based and thus has pH near 7. The neutral pH of the Solution is not harmful for the worker and thus offers safety of the workers.



Packing : 1 kg, 5kg, 10kg, 20kg
Shelf life : 12 month if seal not open.
PH RANGE : 6-7
APPEARANCE / COLOR : GREEN

High Adhesion:

It offers outstanding adhesion with the concrete with so high that the it is hard to broken with hammer in comparison with available solution. This formulation can Provide high adhesive strength due to interlocking of the POP created in the micro voids Created in the film. The mechanical locking of the POP and chemical Interaction with POP is able to provide outstanding adhesion.

High Coverage:

This adhesive formulation has low wet density since it contains more Amount of high polymers than fillers. It also results in high coverage to the range of 9 sq/m.

High tensile strength of the polymer film used in the formulation:

The tensile strength of the polymer film is very high to the level of 2.35kN and thus it can bear more hanging load. Easy to apply due to low viscosity of 60 cPs at 60 rpm With spindle number in viscometer.

How to apply:

The bonding agent should be well shaken before applying the same on well cleaned surface. The surface should be cleaned with a piece of cloth and should be free of oil or any other organic matter. One coat of the film should be made with the help of spray. The formulation cannot be Diluted by the addition of water and the addition of any other additive is not recommended. The formulation should be stored in clean dry and sealed container. The sealed container should be Avoided from the exposure of direct sunlight.

Product Features:

Ready to apply, not to be mixed or diluted

To be applied as a Single Coat.

Apply with help of a Spray (used for painting).

Simple Spray application.

Aneeb Spray90 is the only bonding agent which imparts both mechanical and chemical bond.

Chemical Bond - Imparted by dry polymeric film. Green in color, easy to identify applied surfaces.

Apply Timing:

Gypsum Plaster will be applied any time once Aneeb Spray90 dries completely on to the surface approximate time for drying is 24 hours. (Again it would depend on the climatic conditions and location).

Coverage:

Approximate Coverage would be 9.0 Sq Mtr.per Kg. depends Up on background surface and its suction properties.

Caution:

1. Wash hands with water after use.
2. Keep away from Eye contact, in case of eye contact wash eye thoroughly with water, if irritation persists kindly consult physician If at all spills on clothes, wash them with plain water immediately.

Aneeb CHEMICALS

Gypsum Plaster (POP)

Description

Aneeb Bond+ One Coat Plaster is natural gypsum [$\text{CaSO}_4 + 1/2\text{H}_2\text{O}$], which is mined in rock form. It essentially consists of retarded hemihydrate Gypsum Plaster characterized by lower density & high thermal insulation properties. The chemical and physical requirements conform to IS 2547 Part II. During Calcination at a high temperature which converts raw Gypsum to fine powder form. It is further subjected to thorough sieving process to enhance quality and to bring out superior plastering grade. In plastering stage, about 16 – 17 litres of water is mixed with 25kg material and thus the water content removed at manufacturing stage is regained and gypsum is transformed back into its strong crystal form. The product has an initial setting time of 10 – 15 minutes. Further processes like painting, fixtures can be started after 72 hours once plaster is fully dried.

Aneeb Plaster is the only gypsum plaster which is very natural in its form and gives a ultra white and bright finish. It's smoothness gives great coverage, workability and high productivity to the plasterer. Hence great wall finish with reduced time and cost to the customer. This is how we add value to our customer's business.

Benefits of *Aneeb Gypsum Plaster POP*



- Natural White Colour
- Humidity resistant
- Crack free
- No powdering
- Fungus Free
- Fire resistant
- Lightweight
- Excellent strength on drying
- Thermal resistance
- High coverage
- Purity –free from Silica
- Affordable

Application:

- Doesn't need any kind of primer on it before application of paint/distemper thus saving time & cost. Can be applied on interior walls & ceilings.
- Gives a smooth, white finish surface, which effectively reduces the consumption of subsequent Paints & gives true tone of color.
- It is in dry powder form and does not produce any kind of unpleasant smell at the time of application.
- It is Eco-Friendly. It does not contain lead, oil or toxic material. Has anti-carbonation properties thus protects the reinforcement bars from corrosion.
- Does not require any water curing after application thus saving time & cost.
- Accepts any kind of paint or distemper application on it.
- Can be applied on used surface after proper preparation. It prevents the growth of algae and fungi on walls.

Specification

- Can be directly applied, single coat application.
- Free from shrinkage and crack and powdering
- High coverage up to 90 m²/t
- Ultra white and smooth finish
- Enhanced light reflection, imparts true colour tone and gloss for paint.
- Compatible with any type of paint.
- Highly moisture resistant Hygienic -Does not allow bacteria or fungus getting formed on it.

Shelf Life & Storage:

6 months from the date of manufacturing.

Packing

25 Kg Bag

Aneeb **BOND+**

GYPSUM PLASTER **ONE COAT**

Description

Aneeb Once Coat Gypsum plaster is a gypsum based plaster suitable for application on all internally lined surfaces like sand cement plaster, old scrap surface & RCC concrete surface. This ready mix plaster is an improved & finer grade of calcium sulphate hemihydrate to which additives are further added to give excellent bonding & aesthetic properties. The finished wall has a superior whitish wall finish, which requires minimum surface preparation before painting.

Special Features

- Can be applied directly on sand cement surface, RCC surface and old scrap surface.
- No shrinkage cracks. Easy workability.
- Homogeneous mixture with uniform setting time.
- Zero maintenance.

Product application technique

The surface where product is to be applied should be thoroughly brushed with broom to be free of all loose particles & dust. Wash & clean traces of mould oil. Use Aneeb Bond + Bonding Agent.

The sand cement plaster should be properly cured prior to the application of Aneeb One Coat Ultra gypsum plaster.

Pre-wetting needs to be done just before application so as to achieve more spread ability & higher coverage.

For easy workability mix Ultra plaster to water(not vice versa) Mix plaster as much as require depending on working area.



Partially used material to be kept in well secured dry place. Single coat should not exceed 8mm in thickness; if higher thickness required then Aneeb One Coat Gypsum plaster is to be applied in multiple coats.

Painting can be started after complete drying of Aneeb One Coat Ultra gypsum plaster.

Tools, Water plaster Ratio, Mixing of plaster

Line Dori Plumb Bob, Aluminum level strip etc.

Water Plaster Ratio depends and varies from plasterer to plasterer,

We recommend water to plaster ration in 1:2 proportion (1 part water and 2 parts plaster)

Mixing of plaster has to be done in a clean container Limited material to be mixed, the mixed material should be brought to use within one hour from the time material is added to water.

Water used for mixing should be clean potable water.

Mixing of plaster is to be done by help of a mixing rod. Thorough mixing is to be done till a consistent paste is formed.

An ideal plaster paste would be a consistent paste, sticky in nature no lumps of plaster within it, easy to carry and apply by trowel.

Storage at Sites:

- Gypsum being Hygroscopic in nature, it has a tendency to absorb moisture ,; hence storage becomes a critical part of ensuing good quality
- Store and stock gypsum bags in a dry place,
- Stock bags in piles of not more than ten bags in one column,
- Stock bags at least 5 cms above the ground level on a wooden planks cover the stack of gypsum bags with a plastic sheet.
- Store stock of Gypsum in sufficient ventilated area, allowing free movement of air. Keep gypsum bags away from water.
- Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth closed.

Transportation on Site

On site bags are to be transported either manually or mechanically by help of hoist. Use material in order of first come first basis.

Packing

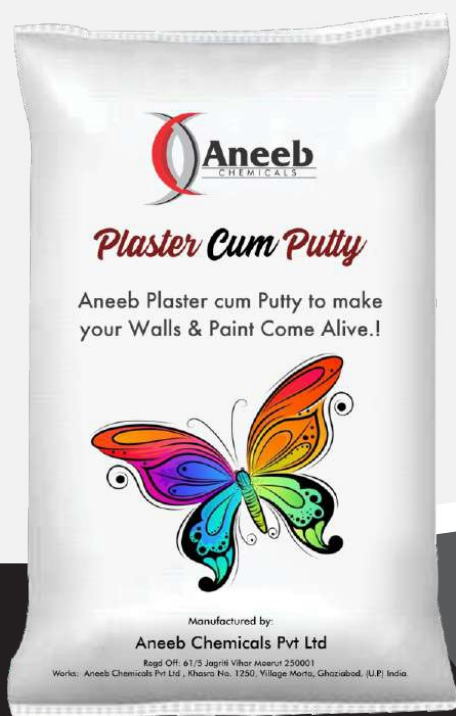
Available in 25/40 kg HDPE bags.



Plaster cum Putty

Aneeb Plaster cum Putty is a water resistant white/Grey cement based putty which provides a strong base on concrete/mortar walls (Internal and External) and ceilings. It is applied before painting of the wall. It fills the fine pores of the walls and ceilings, thereby providing a white, smooth and dry surface for painting. Being water resistant it provides a protective base which prevents expensive paint from flaking. Aneeb Plaster cum Putty has special added polymers and more adhesive strength which provides a strong base ensuring a longer life for the painted surface. It does not require water curing and it can even be applied on freshly plastered wall thus resulting in savings of time and cost. During repainting, the surface done up with Putty requires minimum scrubbing thus eliminating the mess of dust, which is a health hazard especially for asthmatic patients.

Benefits of *Aneeb Plaster cum Putty*



- Being a cementitious material it has better adhesiveness and durability with the concrete walls.
- Doesn't need any kind of primer on it before application of paint/distemper thus saving time & cost.
- Can be applied on both interior and exterior walls & ceilings.
- Gives a smooth, white & glossy finish surface, which effectively reduces the consumption of subsequent Paints & gives true tone of colour.
- It is in dry powder form and does not produce any kind of unpleasant smell at the time of application.

- It is Eco-Friendly. It does not contain lead, oil or toxic material.
- Has anti-carbonation properties thus protects the reinforcement bars from corrosion.
- Does not require any water curing after application thus saving time & cost.
- Is water resistant and can be applied on moist surfaces.
- Accepts any kind of paint or distemper application on it.
- Can be applied on used surface after proper preparation.
- It prevents the growth of algae and fungi on walls.

Wet Density : 1550 (Min)
Water Ratio : 0.16-0.18
Setting Time : Initial 90-120 (Min)
Compressive Strength : 28 Days 12.0 Mpa
Packaging : 40 kg

Conventional cement sand plaster

Plastering is the prime construction activity presenting the exact look and feel of the building interiors and exteriors. The function of plastering is as follows.

- To provide a smooth, even, and durable surface for finishes like Putty/POP, painting, etc.
- They act as a barrier against atmospheric conditions involving moisture, water, snow, heat, dust, etc.
- Plastering can cover the defects, fine cracks, etc. developed in the construction. Ingredients like cement and sand are procured separately, conveyed, and mixed with water in the right proportions before application for conventional plaster. For maintaining a perfect plaster quality, the sand has to be graded and free from the slit and other organic impurities, etc. The quality is not followed in construction sites which in **turn affects the plaster quality**. The reasons why ready mix plaster is a perfect and quality alternative against conventional cement sand plaster.

Aneeb Plaster Cum Putty (Ready-mix plaster) vs conventional plaster

Ready-mix plaster is preferred over conventional plaster due to a lot of unique properties which we are going to describe in this articles.

Quality of ingredients

The main ingredient used in conventional cement sand plaster is sand. The quality of sand determines the quality and durability of plaster.

Cement Plaster	Aneeb Plaster Cum Putty (Ready-mix plaster)
Sand is obtained from river beds and may contain slit and other organic impurities and most of the times they may not be graded.	Uses cement, clean and fine graded sieved moisture free sand, fly ash and polymers & additives.
May not be able to follow gradation of sand which may lead to cracks and other defects.	Graded sand is used in a ready mix plaster and can ensure quality and compactness in plastering.

The strength of plaster depends on compactness that requires perfect packing of particles. The compactness of plaster is dependent on the gradation of particles of sand. If sand is not graded it is very difficult to achieve the required compactness which reduces the plaster strength significantly.

Material handling and mixing

Cement sand plaster	Aneeb Bond+ ready mix plaster
Ingredients are procured loose, conveyed and mixed at site before application.	Ingredients are available in ready mix form. Only water to be added before application.
The quality of ingredients may vary due to possible change in sand sources. Additional labour charges	The quality of ingredients will be standard. The materials are ready mixed and can be easily conveyed and mixed at site.

incurred in ingredient shifting and mixing.	
Ingredient mixing proportions may vary due to manual mixing at the site. Very difficult to maintain proportions of ingredients at the site.	The ingredients are in ready mix form and the proportions will not vary. The proportions are maintained easily and hence the quality of plaster is also excellent.

Wastage of ingredients

Cement Sand Plaster	Aneeb Plaster Cum Putty (Ready-mix plaster)
The main ingredient sand is available in loose form and has to be stored. The wastage of sand is very high in conventional plaster. Cement plaster creates more wastages at site and housekeeping labour cost will be high.	Plaster material is available in ready mix form and very easy to store and convey for works. Ready-mix plaster generates less wastage. Housekeeping labour charges are less compared to cement plaster.

Ease of application

Cement plaster adhesion is less and hence application speed is low. and rebound wastage is very high	Ready mix plaster consists of polymer based additives and hence adhesion is very easy and application speed is fast. Rebound wastage is very less compared to conventional cement plaster.
Requires a long curing period extending up to 7 days or more depends on weather conditions	Polymeric content induces high water retention properties and hence do not requires any curing.

Application of Aneeb Plaster Cum Putty (Ready-mix plaster)

Ready mix plaster is used for both external and internal applications.

- Can be applied in both horizontal and vertical planes
- Applied to textures or patterns
- Can be used for plastering in place of conventional plaster
- Can be used for plastering RCC –Fair faced substrates, brick wall, AAC blocks, clc blocks, concrete block etc.

Advantages of Aneeb Plaster Cum Putty (Ready-mix plaster)

Aneeb Plaster Cum Putty (Ready-mix plaster) got a lot of advantages that makes it an unique alternative in place of conventional plaster. Here we will list out the advantages.

Particulars	Aneeb Plaster Cum Putty (Ready-mix plaster)	conventional plaster
Application time	very fast	Takes time
Ingredient quality & proportions	Using clean and graded materials and factory mixed	Uses available sand and manual mixed

Shrinkage cracks	Situation minimal shrinkage cracks	High shrinkage cracks
Material handling and storage requirements	Available in 40 Kg packets. Easy to handle and store	Available in loose reused bag materials. Difficult to store and handle.
Wastage	Negligible	high wastage
Organic efflorescence	Nil	May happen due to usage of river sand.
sand gradation	Graded (controlled QC)	Not graded
Rebound wastage	Minimum	Very high

Application standards

For internal walls: 10-12 mm in single coat. For external walls: 10-12 mm base coat & 6-8 mm top coat with a total thickness of 12-15 mm. Maximum aggregate size is around 3 mm.

Technical Specifications

PARAMETERS	SPECIFICATIONS
Appearance	Greyish Granular Powder/White & Multi Colour
Main Binder	Portland Cement
Maximum Aggregate Size	Less than 3 mm
Bulk Density	1.5 - 1.6Kg/Litre unit
Compressive Strength	More than 9 Mpa in 28 days
Flexural Strength	Min 1.8 Mpa in 28 days
Water Retentivity	Min 95% (EN 1015 - 8)
Coverage	18-20 Sq.ft./40 kg Bag (for 10-12mm thickness)
Thickness of layer	Maximum 12mm per coat
Pot life	1.5-2 hours
Proportion of water	17-19% as per weight

Considering the no availability of quality sand, enormous quality difference, minimal wastage Aneeb Plaster Cum Putty (Ready-mix plaster) is widely used now a day's Aneeb Plaster Cum Putty (Ready-mix plaster) is a better and economical choice when compared to conventional plaster.

Features & Benefits

High Strength

Aneeb Plaster Cum Putty (Ready-mix plaster) is graded sand composition provides better bonding, leaves lesser voids and provides high strength to masonry material. This makes it durable and long lasting.



Durable and Crack Resistant

To ensure long lasting durability and zero cracks, Aneeb Plaster Cum Putty (Ready-mix plaster) comes with added polymers and negligible silt content. It sets faster than regular plaster and controls cement shrinkage.



Excellent Water Retention

Polymer additives and graded sand used in Aneeb Plaster Cum Putty (Ready-mix plaster) reduce water absorption making it excellent for regions with higher than average rainfall or ground water levels.



Excellent Coverage

Aneeb Plaster Cum Putty (Ready-mix plaster) provides excellent coverage due to the mineral binders present in it. They not only reduce its density but also provide increased coverage. At a recommended thickness of 12mm, Aneeb Plaster Cum Putty (Ready-mix plaster) covers 18-20 sq. ft per 40 kg bag for 10-12 mm thickness.



Economical

Aneeb Plaster Cum Putty (Ready-mix plaster) is a cost effective, zero maintenance plaster that reduces the overall cost of repair and maintenance over the long term.



Faster Application

Since Aneeb Plaster Cum Putty (Ready-mix plaster) is premixed, application is much faster than conventional products. It is easy to use and reduce rebounding losses.



Gypsum Jointing Compound

Description

Aneeb lightweight joint compound is a pre-made joint compound designed for fast application and easy maintenance. The compound is a complex combination often including fillers, additives, polymers and other ingredients. The delicate mix of compounds gives it a creamy texture when water is added that spreads easily onto drywall surfaces and then hardens as the moisture evaporates. Drying type compound takes a long time to dry out and is used to fill holes or gaps and shrinks as it dries. Aneeb joint compound is usually more forgiving than the setting type of joint compound. This compound should be used at temperatures above 13 °C, and all materials should be at a similar temperature. Aneeb joint compound is most commonly used in plasterboard ceiling, drywall partition for new or renovation.

Features:

- Consistent setting time
- Low Shrinkage
- Excellent Tap Bonding Strength
- Easy mixing
- Ease of application & finishing

Application Process

Application is simple and easy, rarely taking more than three or four coats. When used for new walls, the joint compound effectively eliminates all blemishes from the surface of the drywall, such as fasteners, damage, or drywall tape. Joint compound is used to finish gypsum panel joints, corner bead, trim and fasteners, and skim coating. In addition, it is also convenient for fixing minor blemishes or damages to walls. It quickly patches holes, bumps, tears, and other minor damage.



Aneeb Jointing Compound Benefit:

Aneeb Jointing Compound is air drying & crack resistance, Minimum wastage with no lump formation, Ready to mix & work, Easy to apply & excellent workability & Faster drying.

Tech Specification:

Coverage: 0.48 Kg/m²

Wet Density: 1500-1650 Kg/m³

Aneeb EPOXY GROUT

Secret of Structures Success.!

Aneeb Epoxy Grout is a high performance, durable grout which has superior stain resistance and is able to resist most household chemicals. Suitable for areas subjected to high wear including areas where strict hygiene standards are required such as kitchens as well as wet areas such as bathrooms and swimming pools. It is easy to use and clean during application and also easy to maintain. Suitable to use on ceramic, porcelain and non-moisture sensitive natural stone tiles both in indoor and outdoor areas. This grout contains Grout Shield which is a powerful mould inhibitor that will resist the growth of mould and bacteria to keep surfaces looking better for longer.

Step 1 - Preparing the Area

Installing Aneeb epoxy grout in a cold room will not work very well. A warm room, and warm tiles, are much better. In order to maximize the effectiveness of your grout, you should take steps to make sure your room is as warm as possible when installing it. Allow it to heat naturally in the summer, or turn on the heat in the winter.

Step 2 - Mixing: Transfer the measured amount of Aneeb EPOXY RESIN(Part A) to a suitable sized mixing container and add the Aneeb EPOXY HARDENER (Part B). Maintain mixing paddle head below surface of liquid to reduce entrapped air. Add Aneeb Epoxy Grout (PART C filler) in incremental amounts until a non-slump consistency with uniform color is obtained. For wider joints, more filler may be necessary to obtain a firmer, non-slump consistency. To extend the pot life, spread the mix onto a non-absorbent surface at a thickness not exceeding 15mm and begin application.

Step 3 - Application: Apply the mixed grout using a rubber backed trowel or squeegee. Compact the grout firmly into the joints ensuring they are completely filled, minimizing the amount left on the tile surface. Remove excess grout from the tile surface and begin cleaning.



Tile Types : Ceramic, porcelain,
Non-moisture sensitive natural stone,
Packing : 1kg, 5kg Vitrified, Mosaics
Surfaces : Walls and floors
Location : Indoor and outdoor

Web: www.aneebchemicals.in

Three Component Base

Aneeb tile grout

Polymer Modified Grout

Aneeb tile grout is a cementitious polymer modified grout which can be used for grouting of ceramic tiles, vitrified tiles, marble, granites, glass mosaic tiles and many other types of tiles. Aneeb is a non-shrinking, non-fading, strong grouting material for all types of tiles both for internal as well as external use. It can be used in swimming pools also.

How to use:

- Choose a Grout Color.
- Apply Grout.
- Hold Grout Float at 90-Degree Angle.
- Sweep the float diagonally across the tiles to remove any excess grout.
- Wipe Tile With a Damp Sponge.
- Use a Damp Cloth to Remove the Haze.
- Let Grout Dry and Then Apply Sealer.



Easy  Express

MIX & FIX
F O R M U L A

Packing : 1kg

Shelf life : 12 month if seal not open.



Aneeb

AAC BLOCK ADHESIVE/MORTAR

PRODUCT INTRODUCTION

Aneeb mortar is a semi premix high quality mortar for jointing and bonding of AAC blocks, concrete blocks, hollow blocks, clay bricks and fly ash bricks. Aneeb mortar semi premix consists of cement, graded sand and specialised polymers which combine to give superior strength, water retention and stability. It replaces the conventional method and material of jointing mortar which requires a 12-18 mm thickness with a revolutionary 3 mm joint thickness. Aneeb mortar only requires addition of water before application to prepare the product for use, reducing the hassle of measuring and maintaining various individual elements to create a conventional mortar. Standard specification code followed is ASTM C1660-09.

Features And Benefit



Thin Joints

Reducing the overall jointing material by around 75%, Aneeb mortar joints are also known for their high adhesive strength, enhancing the quality of masonry and minimizing shrinkage. Thin joints will also lead to accuracy in workmanship and neatness in the masonry work.



Water Saver

Water curing is not required after the application of Aneeb mortar as it contains self curing properties.



Less Quantity

Since the quantity required is 75% less than conventional mortar, the storage requirements are comparatively minimal, saving site storage space and handling.

Aneeb



Minimum Process Time

After MIBS mortar is applied, the wall will be ready for plaster within a short time of just 24 hours.



Time Saving

No site mixing required for various raw materials and overall less material required in the application process, which leads to less handling and quicker application, eliminating the lengthy process of wall construction.



Negligible Seepage

Due to the texture, chemical bond and properties of Aneeb mortar, seepage water penetration through joints is negligible.



Semi-Premix

Aneeb mortar bags are premix solutions which only require the addition of water to prepare for application, reducing the hassle of mixing various raw materials and further saving a lot of time and manpower.



Eco-Friendly

Aneeb mortar consists of materials that are environment friendly.



Easy Application

Easy to mix, blend and apply due to the smooth texture of the mortar, the premix ensures higher flow-ability and water retention properties.



No Raking

Raking of the joints or "U" grooving & grouting of the joints are not required before plastering, saving time and manpower.



Prevention of Efflorescence

Since the raw materials of Aneeb mortar are well processed and treated in a standardised condition and method, the chances of efflorescence are minimum.



Aneeb

AAC BLOCK ADHESIVE/MORTAR

PRODUCT CHARACTERISTICS

Parameters	Values
Physical Nature	Free Flowing Powder and Grey in Color
Water Demand for ease in application	25-30 %
Ease in spread on surface	Excellent (In comparison to conventional mortar due to the consistency in texture and smoothness in application.)
Hard Dry	Approx 24 hours (further depending in the temperature and humidity conditions.)
Pot Life*	Approx. 170 Minutes
Surface Area Covered by 30 Kg bag.	Approx 1 Cubic Meter/ 30 kg bag@ 3 mm thickness

Appearance : Free Flowing Grey Powder

Packaging : 30 Kg Bags.

Storage : Keep in dry place free from moisture and water. Do not leave the bag/bags open.

Shelf Life : Six months from the date of manufacture in the originally sealed packaging and with recommended storage conditions

TECHNICAL SPECIFICATIONS

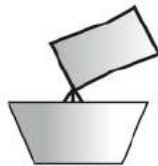
Parameters	Values [#]
Splitting Tensile Strength (to measure the adhesion strength between two blocks of Aneeb when tested as per ASTM Method)	$>0.42 \text{ N/mm}^2$
Compressive Strength of Mortar @ 28 days	$>6.0 \text{ N/mm}^2$
Particle Size Maximum	1 mm
Workability Using Standard Flow Table.	170-180 mm with 28 % of Water at 27° C
Silt Content in Sand	<1%



AAC BLOCK ADHESIVE/MORTAR

PREPARATION & APPLICATION

Mortar Mixing



In a clean bucket, mix Aneebthin bed mortar in 25-30 % of water.

Mixing by Mixer or Tool



Mix first for 5-10 minutes by hand or electrical mixer to mix homogeneously.

Reaction Time



Allow mortar to stand for 5 minutes.

Mortar Remixing



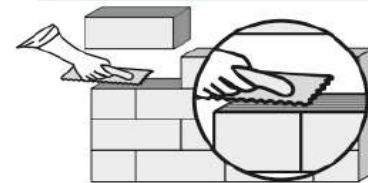
Mix again for 2-3 minutes. Now thin bed mortar is ready to use.

Clean Surface



Before application clean the surface of blocks using suitable tools like brush so that any foreign material is not held on the blocks .

Mortar Spread



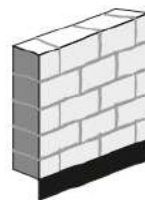
Mortar should be spread on all sides of block in such a way to maintain the bond thickness 3 mm.

Alignment



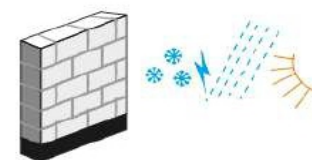
Use Spirit Level and fibre hammer to remove any air gaps in between blocks for proper jointing and alignment.

DND



Do not disturb the wall after application of mortar for at least 24 hours.

Setting Time



The setting time is affected by climatic conditions, allow stand-alone time accordingly

Our Products Are :-

- AAC Block Adhesive/Mortar
- Plaster Cum Putty (Ready Mix Plaster)

Aneeb All Rounder

WATERPROOFING COATING



Discription

ANEEB PU is a single component, bitumen / coal tar free high solid content liquid applied elastomeric polyurethane resin based cold applied coating system. Ideally suited for waterproofing of roofs, terraces, walls, basement conforming to ASTM C-836-95 & ASTM C – 898-95.

Indicative Characteristics

Appearance of cured film	: White Cream
Specific Gravity at 27°C	: 1.35+0.02
Volatile Organic Compound(VOC), g/litre	: <150
Touch dry at 27°C, 70% RH	: 4-6 hours
Application Temperature, °C	: 2-40
Elongation at break at 7 days,%, ASTM D412	: >700
Tensile Strength, 7 days, N/mm2, ASTM D 412	: >5 N
Initial cure at 27°C, for pedestrian traffic	: Within 24 hours
Crack Bridging Capacity, mm	: 3 mm (Minimum)
Full cure, days	: 7
Theoretical Coverage (WFT)	: 1.3 kg/mm/m2
Anti-root property	: Yes

Domains of Application

ANEEB PU COATING is formulated to provide an easy, fast and sure system for waterproofing and protecting of new and old roofs, terraces, podiums, basement, swimming pool, planters, etc.

Method of Application Surface Preparation

The surfaces to be applied should be dry, cleaned and free from oil and grease. Loose particles should be removed and damaged spots repaired first. Cracks should be filled up using Aneeb crete cement MORTAR / epoxy mortar. ANEEB CRETE PRIMER is recommended to improve the adherence of ANEEB PU COATING Membrane on the substrate as a primer coat. However, ANEEB PU COATING can be directly used over cleaned, dust free, sound concrete surface. Ensure the surface moisture is not more than 8% prior to application of coating / primer.

Mixing

ANEEB PU COATING is high build coating system, therefore, some settlement may occur on long storage time. To get a homogeneous mix, stir well with a slow speed stirrer (RPM 00- 400) for 2-3 minutes before using of ANEEB PU COATING.



Packing : 1 kg., 5 kg., 20 kg.
Shelf life : 12 Month if seal not open.

Application:

ANEEB PU COATING can be applied by brush, roller. Alternately can be applied by a suitable spray gun or spread by a rubber squeegee. Additional layer must only be applied when previous layer become dry Recommended consumption of product should be ANEEB POLY UR followed. For multiple coats allow sufficient drying application (time gap between two coats: 8-12 hours) between coats. Wherever possible apply coats at right angles to each other to achieve even thickness of coating. Recommended film thickness should be 700 microns to 1000 microns for normal waterproofing using 1.0-1.3kg material. Higher thickness (1000 microns to 2000 microns) of coating is also used depending on site requirement.

Application Sequence

Surface preparation – Moisture Checking & grinding. 2. Application of Primer. 3. Application of ANEEB PU COATING in two coats, 4. Protection of ANEEB PU COATING and joint sealing.

Advantages:

- Can be applied by brush or roller
- On drying Aneeb PU coating forms a seamless protective and waterproof membrane.
- Being viscous it does not sag when applied on vertical surfaces. ANEEB PU COATING has excellent adhesion to dry as well as primed surfaces of concrete, tile, plaster, bituminous roofing felt, asphalt coating and metal.
- Cured membranes of Aneeb PU Coating remain highly flexible even at extremes temperature range(-25°C to 120°C).

Shelf Life & Storage:

12 months from the date of manufacturing when stored in un- opened, original sealed and dry condition at a temperature range from +2°C to 40°C.

Packing

20 Kg Sealed Bucket

Precautions

- Store the material at the 2° to 35°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before polymerization starts.
- Do not keep left over material in open condition and use it within 2-4 hours.
- Do not apply the coating if the rain is expected within 24 hours.
- Do not apply coating thickness more than 500 microns in one go. If the total coating thickness is more than 500 microns apply in multiple layers.

Precautions

Wear hand gloves, safety shoes and safety goggles while using and handling the product.

In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on demand.

AneebAW+

WATERPROOFING COMPOUND

Secret of Structures Success.!

Aneeb AW+ is an additive for concrete, mortar and plasters. It contains additives and polymers which makes the concrete cohesive and less of capillaries.

Aneeb AW+ an integral liquid water proofing compound composed of wetting agent, plasticiser, polymers and additives. It conforms the requirements of IS 2645- 2003 and IS 9103-2003 standards.

Application

- Used in basement, roof slab, screed.
- Water tank, terrace, floors that must be water tight.
- External plastering, bathroom and balconies.
- Mass concrete foundation walls.

Advantages

- Reduces Permeability.
- Easily dispensable / compatible.
- Reduces capillary.
- Avoid shrinkage crack development.
- Facilitates better workability.
- Enhance durability.

Application Methodology

- Cement, sand and aggregates are charged in the mixer and dry mix for 2 minutes.
- Add 75-80 % of water and mix for 3 minutes.
- **ANEEB AW+** is added as per the recommended dosage into the remaining part of the water and the mix is added to concrete mixer & mixed for another 2 minutes.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or concrete as per good construction practices

Characteristics

Colour	Choco Colour
Specific Gravity @30°C	1.08 ± 0.02
ph	11 -13
Water Premeability	Pass
Non Volatile Content, %	15 ± 1
Chloride content, %	<2
Setting time, minutes	30-600
Dosage, ml/50kg cement	200



No Cracks



No Dampness



No Iron Bars
Rusting

Packing : 1 Litre, 5 Litre, 10 Litre, 20 Litre, 50 Litre, 200 Litre

Shelf life : 18 Month if seal not open.

pH RANGE : 11-13

Aneeb_{CRETE}

WATER PROOFING SOLUTION

ACRYLIC POLYMER BASED WATERPROOF PROTECTIVE COATING

&

REPAIRING COMPOUND

ANEEB CRETE is an acrylic polymers based used as cementitious water proof coating and repair mortar for concrete structure. When ANEEB CRETE Polymer is mixed with cement, a thick liquid slurry is formed and this slurry used as waterproof coating.

Indicative Characteristics

Form	: Milky White liquid	Coverage as polymer	: 3(Mix Ration Aneeb Crete:
Specific gravity at 27°C	: 1.03±0.02	mortar, kg/10mm/m ²	Cement: Sand 1:2:6)
Mixing Ratio as waterproof	: Aneeb Crete : Cement 1:2	Mixing Ratio for making	: Aneeb Crete: Water: Cement: Sand
coating,	by Weight	Corner Fillet (w/w)	0.25: 0.75: 2: 6
pH Value, as per Is13435	: 8-9	Mixing Ratio as repair putty	: Aneeb Crete: Cement: fine Sand 1:2:4
Chloride Content, %(w/w), as	: NIL	Initial Cure at 27°C, For	: After 24 hours
per Bs5075		pedestrian traffic	
Coverage (theoretical)	: 2-2.5m ² /kg in two coats	Slant-Shear Bond Strength,	: >2, (Concrete Failure)
as waterproof coating		at 7 daysN/mm ² AS TMC882	
		Full Cure, Days	: 72 days

Domains of Application

Aneeb Crete polymer modified mortar is ideal for use in new areas, as well as in renovation work for surfacing, protecting, waterproofing, bonding old concrete to new concrete, sprayed mortar, repairs to concrete, brickwork, masonry, and also as filling material for joints, grooves, etc. Aneeb Crete polymer is recommended for water proofing of basements, toilets, roof gardens, terraces, swimming pools and watertanks and general concrete repairs.



Method of Application Surface Preparation

Prior to application of Aneeb Crete, all surfaces must be prepared properly to avoid failure. The surface shall be cleaned to remove all dust, foreign materials/ loose particles or any deposits of contaminants, which could affect the bond between the original substrate and the Aneeb Crete system. This can be done by scarifying, grinding, water blasting, acid washing or any other approved method. Rectify depression/ honey-comb (if any) in the surface, use Aneeb Crete mortar before application of Aneeb Crete.

Packing : 500gm, 1 kg, 5kg, 10kg,
20kg, 50kg , 200 kg

Shelf life : 12 month if seal not open.

pH RANGE : 8-9

APPEARANCE / COLOR : MILKY WHITE

Mixing:

ANEEB CRETE polymer is mixed with neat fresh cement in the ratio of 1:2 by weight with a help of low speed (300-400rpm) paddle mixer. The mix has to be stirred thoroughly, until a lump free smooth slurry is obtained.

Application:

All concrete surfaces (flat and vertical/inclined) shall be thoroughly pre-wetted to saturated surface dry Condition; at the same time there should not be any standing water on the surface prior to application of Aneeb Crete system. Remix the content again with a spatula and start application by brush, roller or any suitable tools on prepared surface. Minimum two coats are recommended. More number of coats can be provided depending on job requirements. First coat should be allowed to air dry for 5-6 hours. Where more tensile strength is required Aneeb Crete coating should be reinforced with non-woven glass fibre mesh.

As Repair Mortar:

Aneeb Crete polymer shall be mixed with fresh cement and silica sand or washed good quality natural sand (zone –ii) as per recommended proportion in a small pan type/drum type concrete mixer. Saturate the concrete surface with water prior to application of Aneeb Crete mortar and finish it with steel trowel or any other standard method.

Curing:

After application of ANEEB CRETE system, initial air-drying shall be done for 3-6 hours. During this period, no water should be used for curing. If there is a chance of rain or hot (temperature above 40 °C), windy atmospheric conditions within this period, protect the coating by covering with waterproof plastic sheet. After a maximum period of 6-8 hours after the final application, moist curing shall be done for the next 2-3 days, either by spraying water or by using wet burlap. During this period, the ANEEB CRETE coating at no point of time should be left completely dry or submerged in water. After the moist curing the ANEEB CRETE coating shall be allowed to air dry for 3 days before submersion in water.

Advantages:

- Resistant to UV (Ultra-Violet) rays
- Develops excellent bond with most of the building materials.
- Prevent speling and blistering
- Arrests salt petre and prevent penetration of salts into concrete and mortar.
- Unaffected by chemical attacks ranging from mild acids and strong alkalis.
- Highly durable in continuous wet service condition.
- One time application, properties improve with age.

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5 °C to 40 °C

Packing

5kg, 20kg, 100kg and 200kg HDPE drum.

Precautions

Reinforcement rods and other sharp materials should not be dragged over the ANEEB CRETE membrane, as this can puncture the same. ANEEB CRETE shall always be used with cement for the intended purpose as mentioned above.

Precautions

Wear hand gloves, safety shoes and safety goggles while using and handling the product. In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately. Before use, refer to the Material Safety Data Sheet. The MSDS is available on our website

Aneeb

Roof SHIELD COATING

HYBRID PU ELASTOMERIC RUBBER COATING

Aneeb Roof Shield Coating is an exterior hybrid PU elastomeric coating that offers waterproofing as well as aesthetics in a single pack. It provides the complete solution to prevent dampness and seepages that spoil the expensive interiors and decorative interior paints. It is highly user friendly and ecofriendly.

Aneeb Roof Shield Coating is elastomeric in nature and has good resistance to weather and sunlight.

Aneeb Roof Shield Coating has excellent flexibility, breathing properties, water resistance, crack bridging properties, weathering durability, and excellent resistance to growth of microbial organisms.

Areas of Application

As a weatherproof, protective and decorative coating for exterior masonry, concrete, cement, sand rendered surfaces, all types of exterior walls, etc. Also can be used on all types of dry wall surfaces like gypsum, cement fiber boards, etc.

With concrete repair works as an elastic protective top coating on Repair Guard ready mix polymer mortar



Packing : 1 kg, 5kg, 10kg, 20kg
Shelf life : 12 Month if seal not open.
pH RANGE : 7-9
APPEARANCE / COLOR : WHITE

Features & Benefits

- Crack-bridging even at low temperatures (-20°C)
- Water vapor permeable
- Very good resistance against weathering and ageing.
- Suitable for saline environment due to anti-carbonation properties
- Excellent resistance to microbial organisms like algae and fungi maintaining its aesthetic value
- Environmentally friendly (solvent free)
- Reduced tendency to dirt pick up and contamination

Direction for Use

Adequate surface preparation as given below is necessary for product performance.

SURFACE PREPARATION

NEW MASONRY

Aneeb Roof Shield Coating Elastomeric Waterproof coating should not be applied to fresh concrete and to other surfaces less than seven days old. Ideally concrete should be allowed to cure for 28 days before application. Power wash to ensure no under bound sand or cement remains on the surface. Allow the surface to dry and apply Aneeb Roof Shield Coating.

EXISTING MASONRY

Power wash to remove all loosely adhered coatings, dirt, mildew and other contaminants.

Fill any existing cracks up to 3mm with Crack Guard (Acrylic Crack filler) paintable sealant. And more than 3mm with Repair Guard (Ready to use Polymer Repair Mortar).

Application of Aneeb Roof Shield Coating

Aneeb Roof Shield Coating Elastomeric Waterproof Coating can be applied by brush or roller. The material is to be diluted with specified percentage of water. Dampen the surface slightly with water. Apply first coat at the spread rate of 4.0 - 4.5 m²/ltr. Allow it to dry for minimum 6 hrs. (Preferably 24 hrs.) before application of second coat. Apply second coat of Aneeb Roof Shield Coating at the spread rate of 4.5 – 5.0 m²/ltr. After thinning it with specified percentage of water.

Technical Information

Nature: Hybrid PU Elastomeric Rubber Coating

Thinner: Clean potable water [Aneeb Roof Shield Coating + 40% water]

Drying time: Dry to touch – 30 minutes.

Re coating period: Minimum 6-8 hrs. at room temperature (ideally 24 hrs.)

No. of coats: 2, depending upon the substrate & D.F.T. required

Shades: As per standard shade card

Aneeb ELASTO SEAL 104

WATER PROOFING SOLUTION

Two Part Acrylic Polymer Based Elastomeric Waterproof Coating

ANEEB ELASTO SEAL 104 is a two component based, elastomeric, acrylic polymer modified cementitious waterproofing protective coating system in slurry form.

Indicative Characteristics

Color of Pack-A (Liquid)	Milky White
Color of Pack-B (Powder)	Grey
Color of hardened coating	Cement like Grey

Technical Information

Test	Results	Test Methods
Tensile Strength (Mpa)	2.5	ASTM D-522
Slart Shear Bond Strength (Mpa)	4.2	ASTM D-454
Puncture Resistance, (N)	942	ASTM D-154
Water Permeability, (gm/m2h)	0.36	ASTM D-96
Pull of Bond Test, (Mpa)	2.6	ASTM D-1583



Domains of Application

- ANEEB ELASTOSEAL 104 is used as a waterproofing treatment for roof, basements raft against rising dampness, retaining structures, water bodies, reservoirs, balconies, bathrooms, sunken areas, fountains, dome structures, decks and terraces.
- Damp patches on walls, to seal joints through which there is possibility of water ingress and in any other area, where a quick solution for waterproofing and damp proofing is required.
- ANEEB ELASTOSEAL 104 can be reinforced

Packing : 15kg Kit
Shelf life : 12 month if seal not open.
PH RANGE : 8-9
Coverage : Approximately 1.5 -2 kg/m2 @ 1mm thickness for 2 coats.

Method of Application Surface Preparation

Prior to application of ANEEB ELASTOSEAL 104 , all surfaces must be prepared properly to avoid failure. The surface shall be cleaned to remove all dust, foreign materials/loose particles or any deposits of contaminants, which could affect the bond between the original substrate and the ANEEB ELASTOSEAL 104 system. This can be done by scarifying, grinding, water blasting, sand blasting, acid washing or any other approved method. Rectify depression / honey-comb (if any) in the surface, use ANEEB CRETE mortar before application of ANEEB ELASTOSEAL 104.

Mixing

ANEEB ELASTOSEAL LIQUID PART (polymer) is mixed with POWDER PART in the ratio of 1:2.5 by weight with a help of low speed (300-400 rpm) paddle mixer. The mix has to be stirred thoroughly, until a lump-free smooth slurry is obtained. Stand for 4-5 minutes after mixing to release air from the mix.

Application

All concrete surfaces (flat and vertical /inclined) shall be thoroughly pre-wetted to saturated surface dry condition; at the same time there should not be any standing water on the surface or it should not be too wet prior to application of ANEEB ELASTOSEAL 104 system. Remix the content again with a spatula and start application by brush, roller or any other suitable tools on prepared surface. Minimum two coats are recommended. More number of coats can be provided depending on job requirements. First coat should be allowed to air dry for 5-6 hours. Where more tensile strength is required ANEEB ELASTOSEAL 104 coating should be reinforced with non- woven fibre glass cloth.

Curing

After application of ANEEB ELASTOSEAL 104 system, initial air- drying shall be done for 3-6 hours. During this period, no water should be used for curing. If there is a chance of rain or hot (temperature above 40°C), windy atmospheric conditions within this period, protect the coating by covering with waterproof plastic sheet. After a maximum period of 6-8 hours after the final application, moist curing shall be done for the next 2-3days, either by spraying water or by using wet burlap. During this period, the ANEEB ELASTOSEAL 104 coating at no point of time should be left completely dry or submerged in water. After the moist curing the ANEEB ELASTOSEAL 104 coating shall be allowed to air dry for 24 hrs before submersion in water.

Advantages

- Resistant to UV (Ultra - Violet) rays
- Develops excellent bond with most of the building materials.
- Prevents peeling and blistering
- Arrests salt petre and prevent penetration of salts into concrete and mortar.
- Unaffected by chemical attacks ranging from mild acids and strong alkalis.
- Highly durable in continuous wet service condition.
- One-time application, properties improve with age.
- Versatile product – can be used for waterproofing, bonding agent for old concrete to new concrete and repair mortar.

Shelf Life

12 months from the date of manufacturing when stored in un- opened, original sealed and dry condition at a temperature range from +5°C to 40°C

Precautions

Reinforcement rods and other sharp materials should not be dragged over the ANEEB ELASTO SEAL 104 membrane, as this can puncture the same.

ANEEB ELASTO SEAL 104 shall always be used in combination of Pack A and Pack B in recommended ratio for the indented purpose as mentioned above.

Safety

Wear hand gloves, safety shoes and safety goggles while using and handling the product.

In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Aneeb CRYSTAL SEAL

Integral Water Proofing Admixture Based On
Crystalline Formation To Produce Water Tight Concrete.

Description

Aneeb Crystalline is an integral waterproofing admixture to produce water tight concrete. The active chemical in Aneeb Crystalline reacts with moisture available in concrete to produce non-soluble crystalline formation throughout the pores of capillary tracks thus making concrete permanently sealed against water penetration from any direction.

Aneeb Crystalline is developed to use in

- All types of concrete foundation below ground
- Water reservoir
- Tunnel Concreting
- Retaining walls and subways
- Deck slab- Bridges, plinth and intermediate slab used for car parking
- Water tank and Swimming pools
- Precast unit

Advantages

- Easy to use, require only mixing with concrete.
- Integral water proofing system.
- Crack filling property with time up to 0.4mm width
- Exhibits good resistance to hydrostatic water pressure both surface.
- Compatible with our full range of water reducing admixture.
- More effective due to formation of crystalline in tiny capillaries.
- Reduce Shrinkage and Creep
- Increase Durability
- Permeability Reducing Admixture as per ACI 212-36-10.

Standard Compliance

Aneeb Crystalline has been tested in accordance with various standards such as IS 516 Part-2 Sec-1, IS 3085-1965 (Reaffirmed 2021), ASTM C 1260, ASTM C 1202-12, AASHTO T 277, ASTM C 1556-04, 1152/C, 1152M-04, DIN 1048, BSE N12390 – part 8.

Description

Aneeb Crystalline is a powder form with perfect blend of Portland cement with other ingredients. Crystalline chemicals react with water in concrete to form crystals structure in the tiny capillaries. These insoluble crystals structure that clogs the pores. This process continues until all the chemicals have reacted.

Technical Support

Aneeb Chemicals provides technical advisory service for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Properties

Appearance	:	Grey powder
Bulk density	:	1100
Workability Retention	:	To be adjusted using water reducing and retarding admixture as required.
Compatible with cement	:	Can be used with all cements including pozzolonic cements.
Permeability to water	:	Has very low permeability compared to control concrete.
Setting time	:	Conform to IS 2645-2003 for initial and final.
Self Life	:	3 Months

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific customer requirements and mix design. Please refer our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered.

Dosage

Recommended dosage of Aneeb Crystalline is 0.8% by weight of total cementitious content. The optimum dosage of Aneeb Crystalline to meet specific requirement should always be determined by conducting laboratory and batch trials.

Instruction for Use

Compatibility

Aneeb Crystalline is compatible with our water reducing admixture when used in the same concrete mix, but should be added to the mix separately. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

Aneeb Crystalline is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and microsilica.

Dispensing

The optimized quantity of Aneeb Crystalline must be added directly into the wet concrete at the time of mixing. For Ready Mix Plants, Aneeb Crystalline can be added at site and mixed to ensure uniform distribution throughout concrete mix.

In order to obtain uniform distribution, each kg of Aneeb Crystalline must be mixed with one litre of water to form thin slurry form. Then Crystalline slurry shall be dispensed into transit mixer and mixed well before pumping or placing. Suggest not adding Crystalline powder directly into concrete. Make sure that water used for preparing slurry must be deducted from concrete total water to ensure designed water cement ratio. Consult with Aneeb chemicals technical department for additional information.

Curing

As with all structural concrete, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, wet hessian or Aneebcure WB spray applied curing membrane should be used.

Packing

Aneeb Crystalline packing 25 kg bags.

Storage

Aneeb Crystalline has a minimum shelf life of 3 months provided the temperature is kept within range of 5°C and 50°C.

Health & Safety

Aneeb Crystalline is alkaline and should not be swallowed or allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles. In case of contact with the skin, wash immediately with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. For further information consult the Safety Data Sheet available for this product.

Fire

Aneeb Crystalline is non-flammable.

Cleaning and disposal

Spillages of Aneeb Crystalline should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Hose down remnants with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance

Aneeb *GROUT FREE FLOW*

General Purpose Free Flow Grout

Uses:

Aneeb Grout Free Flow general purpose grouting is used where it is essential to eliminate shrinkage when completely filling the void between a base plate and a substrate. Such an application would be the grouting of a stanchion and machinery- base plates. It can also be used for anchoring a wide range of fixings. These include masts, anchor bolts, fence posts and around pipe sleeves.

Advantages:

- Gaseous expansion system compensates for shrinkage and settlement in the plastic state.
- No metallic iron content to cause staining.
- Prepackaged material overcomes potential on-site batching variations.
- Develops high early strength without the use of chlorides.
- High ultimate strength and low permeability ensure the durability of the hardened grout.

Description:

Aneeb Grout free flow cementitious grout is supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a flowing non-shrink grout for gap thicknesses up to 100 mm.

Aneeb Grout Free Flow is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimising water demand. The low water demand ensures high early strength. The graded filler is designed to assist uniform mixing and produce a consistent grout.

Properties

The following results were obtained at a water:powder ratio of 0.18 and under laboratory working conditions (Temperature 25°C ± 2).

Compressive strength (BS EN 196-1)	26 N/mm ² @ 1 day 55 N/mm ² @ 7 days 66 N/mm ² @ 28 days
Flexural strength (BS EN 196-1) (Time for expansion)	> 10 N/mm ² @ 28 days
Start	15 to 20 minutes
Finish	1.5 to 2 hours
Fresh wet density	Approximately 2320 kg/m ³
(Modulus of elasticity) ASTM C 469-02	>24000 MPa
(Expansion characteristics) ASTM C940-98a	Up to 2% @ 24 hours

Specifications

- All grouting where shown on the drawing must be carried out with a pre-packaged cement based product which is chloride-free.
- It shall be mixed with clean water to the required consistency. The plastic grout must not bleed or segregate.
- A positive volumetric expansion shall occur while the grout is plastic by means of a gaseous system.
- The compressive strength of the grout must exceed 50N/mm² at 7 days and 60 N/mm² at 28 days.
- The storage, handling and placement of the grout must be in strict accordance with the manufacturer's instructions.

Instructions for use :

Preparation Concrete surface :

The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes and fixing pockets must be blown clean of any dirt or debris.

Technical Data

Pre-soaking : For a minimum of 2 hours prior to grouting, the area of cleaned substrate should be flooded with fresh water. Immediately before grouting takes place, any free water should be removed. Particular care should be taken to blow out all bolt holes and pockets.

Base plate : It is essential that this is clean and free from oil, grease or scale. Air pressure relief holes should be provided to allow venting of any isolated high spots.

Leveling shims : If these are to be removed after the grout has hardened, they should be treated with a thin layer of grease.

Formwork : The formwork should be constructed to be leakproof. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed formwork and between joints.

In some cases it is practical to use a sacrificial semi-dry sand and cement formwork. The formwork should include outlets for pre-soaking.

Unrestrained surface area: This must be kept to a minimum. Generally the gap width between the perimeter formwork and the plate edge should not exceed 75 mm on the pouring side and 25 mm on the opposite side. It is advisable where practical to have no gap at the flank sides.

Mixing

For best results a mechanically powered grout mixer should be used. When quantities up to 50 kg are used, a slow speed drill fitted with a Mixing Paddle should be used. Larger quantities will require a high shear vane mixer. Do not use a colloidal impeller mixer.

To enable the grouting operation to be carried out continuously, it is essential that sufficient mixing capacity and labour are available. The use of a grout holding tank with provision to gently agitate the grout may be required.

Placing

To gain full benefit of the expansion process and flow, place the grout as soon as the mixing process is complete. Typically at 25°C ambient temperature place the mixed grout within 15 minutes.

At 35°C ambient temperature, place within 10 minutes of mixing.

Aneeb Grout Free Flow can be placed in a minimum thickness of 10mm up to a maximum thickness of 100mm in a single pour when used as an underplate grout. For thicker sections it is necessary to fill out Free Flow Grout with well graded 10mm, silt free aggregate to minimise exotherm. If bulking with aggregate is used the ratio shall not exceed 1:1. Contact to us for details of pre-bagged supply. The properties of a bulked grout will differ from those published in this data sheet.

Any bolt pockets must be grouted prior to grouting between the substrate and the base plate. Continuous grout flow is essential. Sufficient grout must be prepared before starting. The time taken to pour a batch must be regulated to the time taken to prepare the next one.

Pouring should be from one side of the void to eliminate any air or pre-soaking water becoming trapped under the base-plate. It is advisable to pour the grout across the shortest distance of travel. The grout head must be maintained at all times so that a continuous grout front is achieved.

Where large volumes have to be placed free flow grout may be pumped. A heavy duty diaphragm pump is recommended for this purpose. Screw feed and piston pumps may also be suitable.

Curing

On completion of the grouting operation, exposed areas should be thoroughly cured. Suggest curing with Aneeb Cure - WB. There is no need to remove as it will provide some protection and won't yellow. If using wet Hessian and plastic sheeting then leave for at least seven days – especially if exposed to sunlight.

Cleaning

Aneeb Grout Free Flow should be removed from tools and equipment with clean water immediately after use. Cured material can be removed mechanically, or with Acid Etch*†.

Sampling procedure

Cementitious grouts cannot be tested as concrete. Special sampling procedure are required refer to our local office for further details.

Typical hopper system

Removable hopper: For larger pours the grout may be hand placed or pumped into a removable hopper (trough).

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

Store unmixed material in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.

Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.

Try to eliminate application during the hottest times of the day and in direct sunlight.

Make sufficient material, plant and labour available to ensure that application is a continuous process.

Water (below 20°C) should be used for mixing the grout prior to placement.

Limitations

Should not be placed in any unrestrained situation. However, can be used for bolt holes or pockets. For further details contact Fosroc.

Estimating

Aneeb Grout Free Flow (Supply)	: 25 kg (HDPE)bags
	:
Trowellable (Yield)	: 12 litres per 25kg bag
Flowable	: 13.25 litres per 25kg bag

Note: Allowance should be made for wastage when estimating quantities required.

Storage

Aneeb Grout Free Flow has a shelf life of 12 months if kept in a dry store in sealed bags. If stored in high temperature and high humidity locations the shelf life will be reduced.

Precautions (Health & Safety)

Aneeb grout free flow is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn.

If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire : Aneeb Grout Free Flow is non-flammable.

- We Manufacture A Wide Range Of Complementary Products Which Include :
- Waterproofing Membranes & Waterstops
- Joint Sealants & Filler Boards
- Cementitious & Epoxy Grouts
- Specialised Flooring Materials
-
- We Are Additionally Offers A Comprehensive Package Of Products Specifically Designed For The Repair And Refurbishment Of Damaged Concrete. Our 'systematic Approach' To Concrete Repair Features The Following :
- Hand-placed Repair Mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings
- For further information or any other technical assistance please contact our local office.

Aneeb BONDLEASE-MB100

Chemical Mould Release Agent For Concrete Form Work

Description

BONDLEASE – MB100 is a specially formulated, one of the best possible quality, ready-to-use formwork / mould release oil of sprayable consistency for assured high quality surface finish. It is a blend of natural organic chemicals and mineral oils which reacts with the alkali in concrete to form a thin waterproof film to prevent adhesion of concrete over formworks and thus helps for easy and quick release, and also acting as a protection to steel and wooden formwork.

Uses

Used on steel, plastic and wooden form work, for clean release. Facilitates removal and cleaning of shutters. Number of lifts of shutter or shutter life is substantially increased. Pockets of air, trapped on the shuttered faces of the concrete, are a major cause of imperfections, necessitating remedial work. The hydrophobic surface produced by chemical reaction between BONDLEASE – MB100 and cement repels surplus water at the interface of the mould and by protecting the concrete from its effect preserves uniformity of surface texture and colour, where by avoiding additional expenses on plastering or even touch-ups.

Features

- Best quality shutter / form work release agent, ideal for use on formwork made of any material.
- Blow-holes, staining and surface blemishes reduced to minimum, resulting in high quality surface finish of concrete surface.
- Quick drying (1 to 2 hours), not affected by moderate rain after application.
- Rust preventive coating on steel form work.
- Waterproof repellent film on wooden form work.
- Can be easily applied with squeegee, brush or sprayer. Needs no thinning.
- Reduces labour cost, cleaning time and possible damages to the form work thus increasing the life of shutter or form work.
- Due to the high rate of coverage, the applied cost of BONDLEASE – MB100 compares favorably with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using it is actually significant.

Application

BONDLEASE – MB100 is a ready-to-use product and should be applied in a thin and even coat preferably by low pressure spray or roller brush. Unsealed new wooden form work should be given a seal-coat and then a final coat prior to placing concrete. Any excess material over form work should be wiped-off, otherwise thick application leads to surface dusting. Spray application is always advisable for thin application and higher coverage. Sponge rubber or clean cotton waste may also do but lower coverage will result. Protect the BONDLEASE – MB100 applied surface from rain for at least 2 hours from the time of application.

BONDLEASE – MB100 should be applied to the form-work prior to each use but once applied can be exposed to weather conditions for up to two weeks in case of timber forms and up to three weeks in case of steel forms. On exposure for longer periods a further application of BONDLEASE – MB100 should be made. In precast works where moulds are struck in less than 12 hours, BONDLEASE – MB100 should be scrubbed into clean working moulds. Where moulds are rusty or have a buildup of old concrete they should be coated with BONDLEASE – MB100 and left overnight. Before use, they should be cleared down and then scrubbed with 50% mixture of BONDLEASE – MB100 and kerosene. This will clean the working surfaces after which BONDLEASE – MB100 can be used in the usual manner.

Technical Data

Form	: Brown Liquid
Specific Gravity	: 0.87 ± 0.04
Flash Point	: 550C
Coverage Steel/ Plastic Surface	: 40-60m ² /ltr
Wooden Surface	: 20-30m ² /ltr

Storage : Keep it in a cool place and prevent it from extremes of heat, preferably in shade away from direct sunlight.

Shelf life : 12 Months

Packing : 20 Ltr & 200Ltr. containers

Warranty

Our products are formulated and manufactured under stringent National / International quality norms are guaranteed against any manufacturing defect. Recommendations as per this data sheet are based on our team's combined practical experience and exposure over 10 years in the construction industry and are believed to be most appropriate. However no liability can be accepted by us as the conditions of use of such products are beyond our control.

Technical Service

Aneeb Chemicals Maintains A Technical Division With Highly Qualified Technical Personnel To Investigate And Advise On Subjects Related To Concrete And The Construction Industry. The Division Will Advise On The Correct Use And Selection Of Right Products At The Right Place.

Aneeb Chemicals Undertakes Consultancy Service For Diagnosis And Rehabilitation Of Distressed Structures; Undertakes / Delegates Jobs As A Package For Total Waterproofing System With Guarantee.

Aneeb *GROUT-E1*

PLASTICIZED EXPANDING GROUT ADMIXTURE

Uses

ANEEB GROUT E1 is an admixture for cementitious grouts where a reduced water/cement ratio and positive expansions are required. Applications include bed grouting, duct grouting, non-shrink infilling and jointing.

Advantages

- Gaseous expansion system compensates for plastic shrinkage and settlement in properly designed cementitious grout.
- Reduced water/cement ratio mixes in the grout mix ensures low permeability and long term durability in service.
- Gives grout high fluidity with low water/cement ratio, thus making placement or injection of the grout easy.
- No metallic iron content to corrode and cause staining or deterioration due to rust expansion in the grout.
- Composition allows high early strength development in grouts, without the use of chlorides.

Standard Compliance

Aneeb Grout E1 is a suitable pressure grouting admixture complying with BS: 8110 Part 1-1985, Section 8.9.4.6.

Description

ANEEB GROUT E1 a plasticized expanding grout admixture is supplied as a powder. The material is a combination of a plasticizing agent and a gas producing expansion medium. The plasticizing agent allows the use of a reduced water/cement ratio with consequent increased strengths and durability. The expansive medium counteracts the natural settlement and plastic shrink- age of the grout and aids stability and cohesion.

Technical support

ANEEB GROUP offers a comprehensive range of high performance, high quality concrete repair and construction products. In addition, ANEEB GROUP offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.

Compressive Strength

The plasticizing action of ANEEB GROUT E1 allows reduction of the water cement ratios of cementitious grouts whilst maintaining low properties. This gives improvement in strength and long term durability when cured under restraint.

Setting Times: ANEEB GROUT E1 does not significantly alter the setting times of cement based grouts.

Expansion

The controlled positive expansion in Characteristic sunset grouts incorporating ANEEB GROUT E1 overcomes plastic settlement when measured in accordance with ASTM C827. An unrestrained expansion of up to 4% is typical.

Time for expansion: 15 minutes - 2 hours. Temperatures above 200°C may slightly reduce these times.

Compatibility: ANEEB GROUT E1 is compatible with all types of Portland cement. Aneeb Grout E1 may be used in mixes containing certain other Aneeb admixtures. Aneeb shall be contacted for further information.

Specification Clauses:

Performance Specification: All grouting (specify details and areas of application) must be carried out with a cement based grout incorporating a plastic- cised, expanding powder admixture. The grout admixture must be iron-free and chloride-free and shall be added to the cement grout in the proportion of 250g per 50kg of cement. The grout admixture shall provide an expansion of up to 4% in the plastic grout, by means of a gaseous system. The grout admixture must be stored, handled and mixed strictly in accordance with the manufacturer's instructions.

Supplier Specification: All grouting (specify details and areas of application) must be carried out using a cement based grout, incorporating ANEEB GROUT E1 manufactured by ANEEB CHEMICALS and applied strictly in accordance with the manufacturer's technical datasheet.

Application instructions

Mixing:

For best results a mechanically powered grout mixer must be used. For quantities up to 50kg, a slow speed drill fitted with a high shear paddle is suitable. Large quantities will require a high volume drum mixer. It is essential that machine mixing capacity and labor availability is adequate to enable the grouting operation to be carried out continuously. This may require the use of a holding tank with provision for gentle agitation to maintain fluidity. The selected water content should be accurately measured into the mixer. The cement (and sand if required) shall be slowly added to ANEEB GROUT E1. Mixing shall be continued for 5 minutes, making sure that a smooth even consistency is obtained.

Application:

It shall be ensured that areas to be grouted are clean, sound, and then pre-wetted. The unrestrained surface area of the grout must be kept to a minimum. The grout shall be placed within 20 minutes of mixing to gain the full benefit of the expansion process. Usual placing or pumping procedures shall be adopted ensuring a continuous operation.

Curing

On completion of the grouting operation, any exposed areas which are not to be cut back should be thoroughly cured by means of water application, curing membrane or wet hessian.

Cleaning

Grouts mixed with ANEEB GROUT E1 should be removed from tools and equipment with clean water immediately after use. Cured material should be removed mechanically or with Reebaklens, multipurpose cleaning agent.

Limitations: ANEEB GROUT E1 is incompatible with High Alumina Cement.

Estimating

Packaging: ANEEB GROUT E1 is supplied in 250 g and 25 kg packs.

Dosage:

OPC	Concreting Sand	Water	Aneeb grout E1	Approx. Yield
50kg	–	20-22 litres	250gm	36 litres
50kg	50kg	22-24 litres	250gm	57 litres

Note : For grout, mortar or concrete mixes with an aggregate/ cement ratio more than 1, 4 x 250 g units of Aneeb Grout E1 per 100 kg of cement, shall be used.

Effects of overdosing: Drastic overdosing of Aneeb Grout E1 increases expansion and may cause frothing.

Shelf life

Aneeb Grout E1 has a shelf life of 6 months if kept in a dry store in its original packing. High temperature and humidity storage may reduce this period.

Precautions

Health and Safety instructions

Aneeb Grout E1 is of low hazard.

Contact with the skin and eyes, or inhalation of dust should be avoided. Suitable protective clothing, gloves eye/face protection and dust mask should be worn. In case of contact with skin, it shall be washed with clean water. In case of contact with eyes, it shall be rinsed immediately with plenty of water and medical attention shall be sought immediately.

Additional information

Aneeb Chemicals manufactures a wide range of products specifically designed for the repair and refurbishment of damaged reinforced concrete. This includes repair mortars, fluid micro concretes, chemical resistant epoxy mortars in addition to comprehensive package of protective coatings. In addition, a wide range of complementary products are available. This includes joint sealants, waterproofing membranes, grouts and anchors and specialized flooring materials.

*Separate data sheets are available on these products.

Aneeb CURE-WB

Wax Emulsion Based, Concrete Curing Compound

Uses

Aneeb Cure WB provides a spray-on membrane to retain moisture in concrete for effective curing. Used for concreting generally but especially useful for large areas of concrete construction such as runways, motorways or bridgeworks.

Description

Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces

Increases concrete strength and dusting resistance

Eliminates the need for damp hessian, sand or polythene

Rapid film formation

Enables concrete to hydrate more efficiently

Non-flammable; non-toxic

Suitable for potable water applications, complies with requirements of AS/NZS 4020:2005

Specification Compliance

Aneeb Cure WB complies with the requirements of AS3799 - 1998: liquid membrane - forming curing compounds for concrete. A copy of the certification is available on request.

Description

Aneeb Cure WB is a low viscosity wax emulsion which incorporates a special alkali reactive emulsion system. This system ensures that the emulsion forms a non-penetrating continuous film immediately upon contact with a cementitious surface. This impervious film prevents excessive water evaporation which in turn permits more efficient cement hydration thus reducing shrinkage and increasing durability.

Design criteria :

To achieve the correct curing properties, Aneeb Cure WB must be applied on to the substrate at the coverage rate 5m² per litre.

Specification Clause:

Concrete curing compound :

All designated areas are to have a liquid curing compound applied to the freshly finished concrete. The curing compound will be based on wax emulsion, have a water retention efficiency of not less than 90% when tested to AS3799 and have a weight solids content of not less than 30%. Such a material is Aneeb Cure WB as supplied by Aneeb Chemicals Pvt. Ltd.. The curing compound is to be applied in accordance with the manufacturers application instructions.

Properties :	Aneeb Cure WB Clear	Aneeb Cure WB White
Weight solids:	31%	32%
Specific gravity at 20°C:	0.968	1.00
Drying time:	2 - 3 hours	2 - 3 hours
Colour (wet):	White	White
Colour (dry):	Clear	White
Efficiency As3799:	91%	93%
Viscosity:	Brookfield #2,	60 RPM at 25°C. Both grade

Membrane break down: (applicable to both grades). The rate of degradation will depend upon initial membrane thickness and the degree of exposure to ultra violet light.

Light reflectance: 62% for white pigmented (must be more than 60%) ASTM 309-74.

Application Instructions :

Aneeb Cure WB should be thoroughly mixed prior to use and spray applied to the surface of newly placed concrete. The compound should be applied as soon as possible after the concrete is free from surface water. The nozzle of the spray should be held approximately 450mm from the concrete surface and should be passed back and forth to ensure complete coverage. The pump pressure should be maintained at a level producing a fine spray.

Aneeb Cure WB should not be continuously re-circulated through high shear gear pumps when used in concrete train application. If continuous re-circulation is essential the sprayer should be fitted with a low shear diaphragm pump.

Rate of application should be 5.0m² / litre.

Equipment

For the application of Aneeb Cure WB various types of spraying equipment can be used, i.e. knapsack or motorised sprays.

Cleaning

Immediately after use the spraying equipment should be cleaned out with water. If the spray nozzle becomes blocked with wax particles these can be removed using white spirit or similar fluid.

Limitations

Due to the wax film produced, Aneeb Cure WB must not be used as a curing aid on surfaces subjected to after trade treatments.

Aneeb Cure WB has a slightly tacky surface after application which can attract dust and site contaminants.

Do not brush on to soft, wet concrete or render surfaces which will be disturbed and thus prevent formation of the curing film.

Aneeb Cure WB should not be used as the curing compound for any metallic based integral floor hardeners.

Packaging: Aneeb Cure WB is available in 20 ltr , 50 ltr, 200 ltr HDPE Drums

Coverage

Aneeb Cure WB :5.0m² per litre

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Storage

Aneeb Cure WB should be stored at temperatures between 4°C and 35°C in unopened original drums.

Containers should be kept airtight to prevent surface evaporation. Freezing or prolonged exposure to direct heat or direct sunlight must also be avoided.

Do not use if there are lumps in the product or has a bacterial (rotting) smell.

Aneeb NSPGC-250

NON – SHRINK POLYMERIC GROUTING AID (CONCENTRATE)

Description

ANEEB-NSPGC - 250 is specially formulated hydrogen free, non-shrink, waterproof grouting aid. It is a free flowing powder for addition to neat cement milk or a suitable mix for grouting. It plasticizes the mix allowing for substantial reduction in water content without effecting the fluidity, thus improving the strength and impermeability of the grout. During the setting period of the grout, it produces controlled expansion to compensate the normal plastic shrinkage of cement. This ensures complete filling of voids and prevent formation of porous sections. Due to its surface active property and volume increase during reaction, even the smallest cracks and pores are impregnated.

Uses

ANEEB-NSPGC-250 is used as an admixture for injection grouting to effectively waterproof and stop leaks in underground structures, basements, tunnels, lift wells, retaining wall, dams, water reservoirs, pressure ducts and other water-retaining structures. It is also used for grouting pre-stressed members and wherever a non-settling, non-bleeding, expanding grout is required.

Method Of Uses

- It is admixed with neat cement milk of suitable consistency and injected under pressure preferably by a positive displacement pump through nozzles. The surface of the concrete / rock should be properly sealed / patched to prevent the grout from coming out.
- For regular grouting, it should be thoroughly mixed with suitable cement-rich mix of cement, fine and coarse aggregates.

Note: **ANEEB-NSPGC-250** should be first mixed uniformly with dry cement in both the cases.

Dosage (Standard)

For ANEEB NSPGC – 250: 0.5% (250 gms. per bag cement)

However, the rate of addition varies from 0.5% - 2% by weight of dry cement. The optimum dosage depends on the nature of the work and should be adjudged by conducting site trials.

Technical Data

FORM	: Free Flowing Powder
COLOUR	: Off white-light brown
COMPATIBILITY	: Can be used with all types of Portland and Slag cements including sulphate resisting cement.
CONSISTENCY	: ANEEB NSPGC - 250 is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.
HANDLING	: ANEEB NSPGC - 250 is formulated from non-hazardous chemicals.
Shelf Life	: 24 months, if stored in unopened pouch at normal ambient temperatures.
Packing	: Available in 250gm x 50 pouch per carton.

Health & Safety:

Non-toxic, non-flammable, eco-friendly. In case of eye contact flush immediately with water, before approaching an ophthalmologist.

Product Information:

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

Warranty:

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. Recommendation as per this data sheet are based on our team's combined practical experience and exposure over 10 years in the field of construction and are believed to be most appropriate. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

Aneeb GROUT-GP 2

GENERAL PURPOSE NON – SHRINK CEMENTITIOUS GROUT

Uses

Aneeb Grout GP 2 general purpose grouting is used where it is essential to eliminate shrinkage when completely filling the void between a base plate and a substrate. Such an application would be the grouting of a stanchion and machinery- base plates. It can also be used for anchoring a wide range of fixings. These include masts, anchor bolts, fence posts and around pipe sleeves.

Advantages

- Gaseous expansion system compensates for shrinkage and settlement in the plastic state.
- No metallic iron content to cause staining.
- Prepackaged material overcomes potential on-site batching variations.
- Develops high early strength without the use of chlorides.
- High ultimate strength and low permeability ensure the durability of the hardened grout.

Standard Compliance

Aneeb Grout GP 2 meets or exceeds the test requirements of ASTM C 1107.

Description

Aneeb Grout GP 2 cementitious grout is supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a flowing non-shrink grout for gap thicknesses up to 100 mm.

Aneeb Grout GP 2 is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimising water demand. The low water demand ensures high early strength. The graded filler is designed to assist uniform mixing and produce a consistent grout.

Properties

The following results were obtained at a water:powder ratio of 0.18 and under laboratory working conditions (Temperature 25°C ± 2).

Compressive strength (BS EN 196-1)	26 N/mm ² @ 1 day
	55 N/mm ² @ 7 days
	66 N/mm ² @ 28 days
Flexural strength (BS EN 196-1)	> 10 N/mm ² @ 28 days
(Time for expansion)	
Start	15 to 20 minutes
Finish	1.5 to 2 hours
Fresh wet density	Approximately 2320 kg/m ³
(Modulus of elasticity) ASTM C 469-02	>24000 MPa
(Expansion characteristics) ASTM C940-98a	Up to 2% @ 24 hours

Performance specification

All grouting where shown on the drawing must be carried out with a pre-packaged cement based product which is chloride-free.

It shall be mixed with clean water to the required consistency. The plastic grout must not bleed or segregate.

A positive volumetric expansion shall occur while the grout is plastic by means of a gaseous system.

The compressive strength of the grout must exceed 50N/mm² at 7 days and 60 N/mm² at 28 days.

The storage, handling and placement of the grout must be in strict accordance with the manufacturer's instructions.

Supplier specification

All grouting where shown on the drawing must be carried out using **Aneeb Grout GP 2** manufactured by Aneeb Chemicals and used in accordance with the manufacturer's data sheet.

Preparation :

Concrete surface

The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes and fixing pockets must be blown clean of any dirt or debris.

Pre-soaking

For a minimum of 2 hours prior to grouting, the area of cleaned substrate should be flooded with fresh water. Immediately before grouting takes place, any free water should be removed. Particular care should be taken to blow out all bolt holes and pockets.

Base Plate

It is essential that this is clean and free from oil, grease or scale. Air pressure relief holes should be provided to allow venting of any isolated high spots.

Levelling shims

If these are to be removed after the grout has hardened, they should be treated with a thin layer of grease.

Formwork

The formwork should be constructed to be leakproof. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed formwork and between joints. In some cases it is practical to use a sacrificial semi-dry sand and cement formwork. The formwork should include outlets for pre-soaking.

Unrestrained surface area

This must be kept to a minimum. Generally the gap width between the perimeter formwork and the plate edge should not exceed 75 mm on the pouring side and 25 mm on the opposite side. It is advisable where practical to have no gap at the flank sides.

Mixing

For best results a mechanically powered grout mixer should be used. When quantities up to 50 kg are used, a slow speed drill fitted with a Mixing Paddle (MR3) should be used. Larger quantities will require a high shear vane mixer. Do not use a colloidal impeller mixer.

To enable the grouting operation to be carried out continuously, it is essential that sufficient mixing capacity and labour are available. The use of a grout holding tank with provision to gently agitate the grout may be required.

The quantity of clean water required to be added to a 25 kg bag to achieve the desired consistency is given below.

Trowellable (Yeild) : 3.4 - 3.6 litres per 25kg bag

Flowable : 4 - 4.5 litres per 25kg bag

The selected water content should be accurately measured into the mixer. The total contents of the **Aneeb Grout GP 2** bag should be slowly added and continuous mixing should take place for 5 minutes. This will ensure that the grout has a smooth even consistency.

Placing

To gain full benefit of the expansion process and flow, place the grout as soon as the mixing process is complete. Typically at 25°C ambient temperature place the mixed grout within 15 minutes. At 35°C ambient temperature, place within 10 minutes of mixing.

Aneeb Grout GP 2 can be placed in a minimum thickness of 10mm up to a maximum thickness of 100mm in a single pour when used as an underplate grout. For thicker sections it is necessary to fill out **Aneeb Grout GP 2** with well graded 10mm, silt free aggregate to minimise exotherm. If bulking with aggregate is used the ratio shall not exceed 1:1. Contact for details of pre-bagged supply. The properties of a bulked grout will differ from those published in this data sheet.

Any bolt pockets must be grouted prior to grouting between the substrate and the base plate.

Continuous grout flow is essential. Sufficient grout must be prepared before starting. The time taken to pour a batch must be regulated to the time taken to prepare the next one.

Placing

Pouring should be from one side of the void to eliminate any air or pre-soaking water becoming trapped under the base- plate. It is advisable to pour the grout across the shortest distance of travel. The grout head must be maintained at all times so that a continuous grout front is achieved.

Where large volumes have to be placed **Aneeb Grout GP 2** may be pumped. A heavy duty diaphragm pump is recommended for this purpose. Screw feed and piston pumps may also be suitable.

Curing

On completion of the grouting operation, exposed areas should be thoroughly cured. Suggest curing with Aneeb Cure WB There is no need to remove as it will provide some protection and won't yellow. If using wet Hessian and plastic sheeting then leave for at least seven days - especially if exposed to sunlight.

Cleaning

Aneeb Grout GP 2 should be removed from tools and equipment with clean water immediately after use. Cured material can be removed mechanically, or with Acid Etch.

Sampling procedure

Cementitious grouts cannot be tested as concrete. Special sampling procedure are required refer to your local Fosroc office for further details.

Typical hopper system

Removable hopper: For larger pours the grout may be hand placed or pumped into a removable hopper (trough).

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

- (i) Store unmixed material in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
- (iii) Try to eliminate application during the hottest times of the day and in direct sunlight.
- (iv) Make sufficient material, plant and labour available to ensure that application is a continuous process.
- (v) Water (below 20°C) should be used for mixing the grout prior to placement.

Limitations

Should not be placed in any unrestrained situation. However, can be used for bolt holes or pockets. For further details contact Manufacturer.

Estimating (SUPPLY)

Aneeb Grout GP 2 : 25 kg bags

(Yield)

Trowellable : 12 litres per 25kg bag

Flowable : 13.25 litres per 25kg bag

Storage

Aneeb Grout GP 2 has a shelf life of 12 months if kept in a dry store in sealed bags. If stored in high temperature and high humidity locations the shelf life will be reduced.

Precautions

Health and safety

Aneeb Grout GP 2 is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn.

If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire

Aneeb Grout GP 2 is non-flammable.

Aneeb GROUT-V1/HS

Pre – mixed Free – flow, High Strength Non – shrink Cementitious Grout

Description

ANEEB GROUT-V1/HS was developed while keeping to the disadvantages of existing grout mixtures. It is chloride free cement based free flowing non metallic Aneebgrout that develops very early high compressive strength. Its wide acceptance and extensive testing programs indicates it to be a proven and established product of excellent quality. Conforms to BS: 1881 Part 116, BS: 4550, ASTM: C-827 – 87.

Uses

- It is ideally suited for grouting of foundation plates
- Testing & Quality assurance of **ANEEB GROUT-V1/HS** has always been an integral step in its development.
- The series of test includes:
- Density and fluidity test.
- Duration of setting time.
- Free Expansion test
- Compressive strength (testing up to 84 days).
- Bending strength.
- Pull – out strength (Adhesion)
- Compressive stress – strain curve. Young Modulus & Poisson ratio.
- Compressive strength test subject to vibratory and dynamic loads.

These tests illustrate versatility and many advantages of **ANEEBGROUT-V1/HS**.

ANEEBGROUT-V1/HS is used and specified by major utilities like steel projects, sugar and paper mills, highways, machinery and turbine manufactures far and wide. **ANEEB GROUT-V1/HS** is a proven non-metallic grout of international standard.

Technical Advantages :

ANEEBGROUT-V1/HS develops extraordinary high compressive strength, typically:

	Contro V1	Contro HS
In 12 hours (kg/cm ²) :	-	200
In 24 hours (kg/cm ²) :	250	300
In 3 Days (kg/cm ²) :	350	400
In 7 Days (kg/cm ²) :	450	500
In 28 Days (kg/cm ²) :	625	750

ANEEB GROUT-V1/HS is chloride free and non-metallic, thereby overcoming the disadvantages of metallic grouts. Grouting mixtures containing metallic additives will oxidize and rust when exposed to moisture thus weakening the cohesive bond of the grout. It has controlled expansion and is guaranteed not to shrink. Limited expansion is necessary to ensure a rigid monolithic bond between machinery and foundation. **ANEEB GROUT-V1/HS** has a measured, volumetric expansion, within 24 hours it is completely stable, neither shrinking nor expanding. Is formulated on a straight cement base, but contains no alumina cement or aluminium oxide material. Provides a full bonding strength and is resistant to high impact and vibration without shattering. **ANEEB GROUT-V1/HS** is water and oil resistant. Has an extremely high adhesive and pull-out strength. An anchor bolt (diameter 25mm) grouted 20cm deep, has a pull out resistance of 144 kg/cm². Withstands great fluctuations of moisture, dryness, heat and cold. It has proven about 60 – 70% reduction of bearing failures on machinery of rolling mills.

Installation Advantages

ANEEB GROUT-V1/HS is guaranteed for a constant continually mixture. Pre mixing at the factory under strict quality control that requires no complicated job-site mixing or skill, other than the addition of water. Facilitates easy handling and storage. **ANEEB GROUT-V1/HS** is protected in a vapour barrier bag that prevents exposure to the atmospheric elements. Eliminates shrinkage, has flowable consistency, good workability and excellent void filling action (self – leveling) and allows ample time for finishing work. Can be poured, poked, pumped, dry – packed and rammed. **ANEEB GROUT-V1/HS** is poured or vibrated into place has no segregation. Gives increased yield. You need only about 2200-2400 kg for 1 m³ of **ANEEB GROUT-V1/HS**. Can be installed in almost all temperatures, thus climatic factors become less important. Can be pumped through small nozzles over great distances. Contains no harmful chemicals.

Application

ANEEB GROUT-V1/HS is ready for use, requiring only the addition of water. Before placement, the surface should be thoroughly cleaned and wet. Care must be taken to ensure that grease and oil are removed. In order to reach the required consistency 6 – 7 liters of water to 1 bag / 50kg **ANEEB GROUT-V1/HS** are needed. First add 2 / 3 of the total needed water. Mix for a short time, and then add the balance water. Proceed to mix for about 4 – 6 minutes in mechanical mixer. Manual mixing is not recommended. In gelled material, no further addition of water is allowed and should be discarded. In order to prevent voids apply grout from one side or corner only.

Examples of Application

- **ANEEB GROUT-V1/HS** has proven itself and found wide application in the following fields.
- Precision grouting of machinery foundations requiring high strength and vibration dampening.
- Grouting of anchor bolts, sole plates, bridge bearings.
- Involving high vibratory conditions, e.g., Turbo Generators.
- Grouting of sugar paper, rubber and chemical processing machinery.
- Grouting of structural steel columns, bridge beams and seats, crane way rails, posts, transmission towers, power stations and many others.

General Information

ANEEB GROUT-V1/HS will reach a compressive strength of 250 kg / cm² within 24 hours and will increase to approximately 350 kg / cm² within 3 days in a medium temperature of 27°C. Higher temperatures accelerate the setting time whereas lower temperatures will retard the time of reaching its compressive strength. Where grouting area and flow space are of sufficient depth upto 50% by weight of washed gravel ranging in size from 5 – 8mm must be added to the dry-pre-mixed grout. Even by adding 50% of such gravel the compressive strength is reduced only marginally. Open areas are to be protected against premature water evaporation. Retains its decisive advantage not to shrink and to have high adhesive bond even in an extreme mixture.

Important

Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

Product Information

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties.

Technical Service

Aneeb Chemicals Maintains A Technical Division With Highly Qualified Technical Personnel To Investigate And Advise On Subjects Related To Concrete And The Construction Industry. The Division Will Advise On The Correct Use And Selection Of Right Products At The Right Place.

Aneeb Chemicals Undertakes Consultancy Service For Diagnosis And Rehabilitation Of Distressed Structures; Undertakes / Delegates Jobs As A Package For Total Waterproofing System With Guarantee.

Aneeb Jalseal

EXPANSIVE AQUA – REACTIVE WATER BARRIER AND GROUTING SYSTEM

Description

Aneeb Jalseal is a low viscosity liquid which react with water in a controlled manner to form a swelling resilient adhesive solid in densities and strength appropriate to the designated task. When impregnated under pressure into leaking structures, it forms a permanent flexible / rigid water barrier by the process of polymerization.

The liquid retains its initial low viscosity upon contacting water allowing it to flow without dilution. Once the **Aneeb Jalseal** – water reaction commences, the grout expands penetrating into its surroundings and quickly cures to a tough, adhesive solid to repel the influence of underground seepage flow and solidify the objective ground and remains unaffected by corrosive environments.

Features

Has very remarkable solidifying property even in areas where water flow is violent. It stops water from oozing and solidifies the ground with high strength.

Imparts solidifying property in all types of water, such as seawater, mineral water or that containing slight acid and alkali.

Is extremely stable both chemically and physically and remains unaffected from the attack of any bacteria or fungi.

Is completely safe and non-pollutant to the water it contacts after completion of reaction and has no effect on potable water, fish or marine life.

Possesses excellent adhesiveness to solid particles and is therefore used very successfully in landslide prevention.

Does not wash away or is not diluted by the ground water after solidification.

Uses in Building Construction & Civil Engg. Application

- Prevention of water from leaking into underground basements, tanks, sumps, pits etc.
- Soil stabilization for foundations. Prevention of landslides.
- Securing tie-back anchors for retaining walls or bays.
- Serving as sealer or liner in concrete structures.
- Serving as water barrier in basement gravel bedding waterproofing system.
- Solidifying and strengthening of ground and rock and stopping water from oozing out.
- Preventing leakage in tunnels and tunnel segment, deep underground structures and water retaining structures.
- Stabilization of abutment and bridge piers.
- Preventing leakage through dams.
- Solidifying and creating a water barrier in rock and earth fill dams.
- Back filling by impregnations for tunnel shield construction.
- Preventing air from leakage during compressed air shield construction or caisson construction.
- Facilitates supportability of pile and pier.
- Increases bearing capacity of underpinning.
- Prevention of crown collapse in tunnels.

Environmental Engineering & Other Applications

- Solidifying agent to atomic, industrial and chemical waste solutions or wastewater.
- Solidifying agent for sewage and sludges removed from organic and inorganic waste dumps.
- Preservation of historical relics, harbour engineering, mining reclamation engineering etc.

Impregnation Method

Aneeb Jalseal is generally pumped as a single component through low pressure hand-operated pumps or special high pressure pumps, as required according to site conditions.

Hoses are filled with packers / injection nipples with valve which is sealed against back-pressure with quick-setting cement / **ANEEB No.2**. The surface is sealed / patched properly to prevent from coming out.

Aneeb Jalseal reacts with water and expands to form a 'fluid wedge' & blocks the leakage. Even gushing leakages can be sealed without it being necessary to block the hydraulic pressure. Due to the low viscosity and expansion during reaction even the smallest cracks, fissures and pores can be impregnated.

Since the chemical reaction is very quick, the results are immediately visible. When water is not naturally present in sufficient quantity to assure the desired reaction, a sufficient quantity of water is also required to be injected.

Properties

Appearance	:	Clear transparent liquid
Viscosity (cps at 25oC)	:	200
Specific Gravity (at25oC)	:	1.06 ± 0.02
Corrosiveness	:	Non-corrosive
Toxicity	:	Non-toxic
Flammability	:	Non-inflammable
Gelation	:	Highly strong elastic gel.

Storage : Store in dry area.

Shelf life : 12 months, if stored properly in unopened / airtight container.

Packing : Available in 20 kg, 200 kg drums.

Technical service: We offer our technical services to assist you in the correct use of our product and its resources.

Product Information

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

Warranty

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. Recommendation as per this data sheet are based on our team's combined practical experience and exposure over 10 years in the field of construction and are believed to be most appropriate. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

Technical Service

Aneeb Chemicals Maintains A Technical Division With Highly Qualified Technical Personnel To Investigate And Advise On Subjects Related To Concrete And The Construction Industry. The Division Will Advise On The Correct Use And Selection Of Right Products At The Right Place.

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Aneeb *MICROCRETE*

READY TO USE HIGH STRENGTH MICRO CONCRETE FOR REPAIR

Description

A specially formulated ready-to-use grey powder which requires addition of water only at job site, to produce free flowing and semi fluid / plastic high strength concrete which has micro fine aggregate and ability to penetrate into the recesses of concrete members behind the reinforcement of the structure under repair.

Uses

Conventional repair of honey combed area and to fill recesses of broken structure of concrete. In fact it is used to effect permanent repairs to all types of concrete and mortar. ANEEB-MICROCRETE is of particular interest to specialist military agencies, airport road and port authorities. Most useful for repair of cavity / pitting of beams and columns. It can also be used as ready to use material for hard bearing surface / floor – finish.

Features

- Volume stabilized non-shrink micro concrete gives high early strength. It provides strength of main structural member or even higher within 24 hours only.
- Good Bonding. Achieves an excellent bond with parent concrete.
- Does not produce any cracks along the line of old and built – up concrete section.
- Produces highly impermeable concrete to water and thereby protects the reinforcements from corrosion.
- No special curing required. Normal curing as it is done for any other concrete.
- Pocket upto 100 mm can be filled in single application.
- Specially selected and graded micro fine aggregate, fillers and fluidifiers ensure optimum density and durability.

Surface Preparation

Surface to be repaired or cavity to be filled should be cleaned sound and free from any deleterious materials like oils, grease etc. Weak portion of concrete should be cut – off and removed till sound surface is available. Surface of old concrete should be dampened or soaked with water over-night and then excess water removed to get saturated surface dry (SSD) condition before pouring ANEEB MICROCRETE.

Surface Preparation

Mix water to the powder in the ratio 0.14 to 0.18 depending upon the consistency required and then pour in the forms / shutters. Gaps in the shutter should be effectively sealed with masking tape to ensure that fluid material does not leak through joints.

Note: Where the repaired surface needs to be plastered, hack and surface immediately after removal of the shutters / forms. Curing may be carried out as usual with wet Hessian / polythene or ANEEBCURE-AL / ANEEBCURE-WB.

Technical Data

Color/Type	: Off – white to Grey powder with micro fine aggregate and additive for repair of cavity / pitting of concrete or mortar surface or joints. It is a precision structural repair material with extra high strength.
Fresh Wet Density	: 2100 – 2500 kg / m ³
Volume Change	: Nil
Typical compressive strength at 27°	: 400 Kg / cm ² at 0.16 w/p ratio within 24 hours
Typical Bond strength at 28 days	: 7 Kg / cm ²
Typical flexural strength at 28days	: 60 Kg / cm ²
Yield	: 12.25 Ltr per 25 kg bag at 0.17 w/p ratio

Storage : Keep it in a cool dry place

Shelf life : 6 months if kept in unopened / sealed bag .

Packing : In 25 Kg HDPE bag with inner polythene lining

Health & Safety : Alkaline powder. Handling should be done accordingly. Non – toxic, non-flammable.

Product Information

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

Technical Service

Aneeb Chemicals Maintains A Technical Division With Highly Qualified Technical Personnel To Investigate And Advise On Subjects Related To Concrete And The Construction Industry. The Division Will Advise On The Correct Use And Selection Of Right Products At The Right Place.

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Aneeb MSEX

READY TO USE NON-SHRINK HIGH STRENGTH CEMENTITIOUS MICRO- CONCRETE

Description

ANEEB-MSEX is a high value specially formulated ready-to-use cementitious powder which only requires addition of normal water at job site to produce free-flowing or semi-fluid / plastic, non-shrink, high strength concrete. It has micro fine aggregates and can penetrate into the recesses of concrete members behind the reinforcement of the structure under repair.

Uses

Conventional repair of honey-combed area and to fill recesses of broken structure of concrete. It is used to effect permanent repairs for all types of concrete and mortar. **ANEEB-MSEX** is found to be of particular interest to specialist applicators of military agencies, airport, road and port authorities. It is extremely useful for repair of cavity / pitting of beams, columns and other such reinforced concrete elements where access is difficult and vibrating the placed material is not possible. It can also be used as ready-to-use material for structural strengthening, e.g., jacketing on old structure, encasement build-ups, etc.

Features

- Volume stabilized, non-shrink micro-concrete gives high early strength. It provides equivalent strength of principal structural member or even higher within 24 hours only.
- Higher final strength of impermeable concrete gives long life to repaired structure.
- Good Bonding. Achieves an excellent bond with parent concrete.
- Prevents development of any cracks along the line of old and built-up concrete section.
- Low water demand produces pumpable / pourable highly impermeable concrete, thereby protecting the reinforcements from corrosion.
- Pockets upto 100 mm can be filled in single application, without vibration.
- No special curing required. Normal curing as is done for any other concrete.
- Specially selected and graded micro-fine aggregates, fillers and fluidifiers are used to ensure optimum density and durability. 100% chloride-free.

Application Data : (Surface Preparation)

Surface or cavity to be repaired or filled should be thoroughly cleaned and made sound and free from any deleterious materials like oils, grease etc. Weak or defective portion of concrete should be chiseled and removed till sound surface is available. Smooth surfaces should be mechanically roughened. Corroded steel reinforcements should be cleaned all around and brought to near-bright condition. It is also recommended to apply one coat of zinc rich epoxy primer **ANEEB POXY- ZN51P** on all such steel members. Surface of old concrete should be dampened or soaked with water overnight and then excess water removed to get saturated surface dry (SSD) condition before pouring **ANEEB-MSEX**. Or else, the dry prepared surface should be coated with long-setting **ANEEB POXYBOND**, an epoxy bonding aid.

Application

Mix water to the powder in the ratio 0.14 to 0.18 depending upon the consistency required and then pour in the forms / shutters. Gaps in the shutter should be effectively sealed with masking tape to ensure that fluid material does not leak through joints. Also ensure unrestrained surface area for repair to the minimum.

For larger area repairs (sections deeper than 100mm), it can be conveniently modified by addition of 5 - 12mm graded dry aggregates at site, which will also reduce the heat of hydration and subsequent cracks.

Note: Where the repaired surface needs to be plastered, hack the surface immediately after removal of the shutters / forms. Curing may be carried out as usual with wet Hessian / sprayed water or **ANEEB CURE-AL / ANEEBCURE-WB**.

Technical Data

Color/Type	: Grey powder with micro-fine aggregates and additives. It is a precision structural repair material with extra high strength.
Fresh Wet Density	: 2300 kg / m ³
Free Expansion:(ASTM C827 – 1987)	: 2 – 3% ; (Volume change – Nil)
Pressure to restrain plastic expansion	: 0.0035 N/mm ² (Approx.)
Modulus of elasticity 'E'	: 26 kN / mm ² (similar to Normal Concrete)
Flexural strength at 28 days (BS 4551 – 80)	: 60 Kg / cm ²
Tensile Strength at 28 days	: 25 Kg / cm ²

Compressive Strength in Kg / cm ² (BS 4551 – 80)	1 Day	3 Days	7 Days	28 Days
	: 250	: 350	: 500	: 600

Compressive Strength in Kg / cm² of
Microcrete MSEX Blended with graded
coarse aggregate (upto 12mm)
@1: 0.75 and W : P ratio 0.16

Coefficient of thermal expansion: (volumetric)	: 33 x 10 ⁻⁶ / oC (similar to that of normal concrete)
Yield	: 12.5 Ltr per 25 kg bag at 0.16 w/p ratio

Storage : Keep it in a cool dry place

Shelf life : 6 months if kept in unopened / sealed original bag in a cool dry place.

Packing : In 25 Kg HDPE bag with moisture resistant inner polythene lining.

Health & Safety

Alkaline powder. Handling should be done accordingly. Non-toxic, non-flammable. However, wet / damp material can be harmful to skin. Hence, suitable face-mask, gloves and goggles may be used to avoid inhalation and direct contact with skin or eyes. In case of direct contact with naked skin, wash with a lot of clean water; in case of accidental eye contamination, rinse several times with clean water and contact an ophthalmologist.

Product Information

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally results in marginal changes in properties.

Warranty

Our products are formulated and manufactured under stringent National / International quality norms are guaranteed against any manufacturing defect. Recommendations as per this data sheet are based on our team's combined practical experience and exposure over 10 years in the construction industry and are believed to be most appropriate. However no liability can be accepted by us as the conditions of use of such products are beyond our control.

Technical Service

Aneeb Chemicals Maintains A Technical Division With Highly Qualified Technical Personnel To Investigate And Advise On Subjects Related To Concrete And The Construction Industry. The Division Will Advise On The Correct Use And Selection Of Right Products At The Right Place.

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Aneeb FLOOR TOP (M)

Abrasion Resistant & Long Wearing Metallic Floor Surface Hardening Compound

Uses

Aneeb floortop (M) is a specially manufactured metallic aggregate for mixing with cement and stone or granite chips, to provide the hardest surface to floorings and paving, which will remain wear proof, dustproof, waterproof and grease proof. It does not affect the setting times or other properties of the cement, with which it is mixed.

Indicative Characteristics

- Color and Appearance : Black Granules
- Abrasion Resistance (as per IS 1237-2012) : 300 % (minimum) as compare to reference
- Sample Water absorption (as per IS1237-2012) : 10% (maximum)
- Average Wear (application rate 7kg/m²) : < 2mm
- MothsScaleHardness (aggregate) : 8
- Magnetic effect, % (w/w) : >80

Domains of Application

By the use of Aneeb Floortop (M) the top surfaces of flooring and paving can be made wear resistant and dustproof. It is ideally suited for use in all types of industrial floors, which are subjected to heavy traffic movement. It can withstand the impact load due to movement of heavy load over the floor topping. It is specially recommended in heavy engineering factories or as workshop floor toppings, hangers, car parks, in warehouses and gangways where frequently trolleys with metal wheels or forklifts carrying heavy load.

Method of Application

The Aneeb floortop (M) should always remain dry until it is being used with the cement floor concrete. Fresh ordinary Portland cement, conforming to Indian Standard Specification should always be used. Even blended cements can also be used, provided the quality of cement is good. The aggregate to be used as the floor topping, should be clean, angular crushed granite or quartzite stone chips of size 6mm down. The water cement ratio of the concrete should be as low as possible and preferably less than 0.45. To achieve this, concrete plasticizer is recommended as an admixture to the concrete, as this will provide the much needed workability required for laying the top surface.

For Laying a New Floor

After laying a concrete (Minimum M25 grade) base of 100mm to 150mm, a separate approximately 12-18mm thickness layer consists of Aneeb floortop (M), CEMENT, other AGGREGATE and Water of shall be laid, levelled and finished over the base concrete. The topping should always be laid over the base concrete or a separate granolithic surface, when it remains wet. When the initial set of the floor topping takes place, the surface is to be trowelled off to a polished smooth finish.

For Topping On Old Floor

Remove the old concrete surface to a depth of at least 5mm to 7mm and clear all loose particles and dust. In case of an oil soaked surface, the chipping should be done up to the oil contamination level, till clean and sound concrete is found. This clean surface is to be thoroughly soaked with water for at least 12 - 15 hours prior to laying the concrete base and floor topping. No surface water should remain before the application of the cement slurry over the surface. Apply the cement-Aneeb crete slurry over the entire surface and then lay the ordinary granolithic layer of 13mm to 19mm thickness over this using the Aneeb floortop (M) mix, to the required thickness. When this granolithic layer is still wet, trowel off to a smooth, polished finish.

Curing

Curing is essential part of Aneeb Floortop (M) flooring system. The effective curing method is to apply Aneeb Cure -WB or any other effective curing membrane manufactured by Aneeb Chemicals. Other curing methods such as covering with plastic sheet, wet hessian cloth or pond curing is also accepted and shall be continued at 7 days.

Consumptions:

For Heavy Duty Floors

At first 1 part Aneeb Floortop (M) and 4 parts cement should be mixed thoroughly in a dry state. Then 1 part of this mixed material is to be mixed with 2 parts of stone chips thoroughly. After uniform mixing of the dry material, necessary amount of clean fresh water is to be added to have a workable consistency for properly placing and compacting the floor topping. Approximately 2 kg of Aneeb Floortop (M) will be consumed per sq.m. for 13mm thick floor topping.

For Light Duty Floors

At first 1 part Aneeb Floortop (M) and 5 parts cement should be mixed thoroughly in a dry state. Then 1 part of this mixed material is to be mixed with 2 parts of stone chips thoroughly. After uniform mixing of the dry material, necessary amount of clean fresh water is to be added to have a workable consistency for properly placing and compacting the floor topping. ~1.5 kg of Aneeb Floortop (M) will be consumed per sq. m. for 13mm thick floor topping.

Advanatges

- Excellent wear resistance and produces high degree of abrasion resistant floor surface.
- Impact resistance 2 to 3 times more than that of plain concrete.
- Superior densified surface than plain concrete which increases resistance to penetration by oil, grease, hydraulic fluids, motor fuels, and many industrial chemicals.
- Compatible with vacuum dewatering flooring(VDF) system Facilitates fast construction with minimum site costs.
- Bonds well with most conventional cementitious substrates.

Shelf life : Stored in un-opened, original sealed and dry condition at a temperature range from -20 °C to 40 °C

Packing : 25kg waterproof laminated HDPE bag

Safety

Wear hand gloves, safety shoes and safety goggles while using and handling the product.

In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on demand or our website

Aneeb FLOOR TOP (NM)

Abrasion Resistant & Long Wearing Non Metallic Floor Surface Hardening Compound

Description

Aneeb Floortop - NM is ready-to-use blend of factory processed and specially graded non-oxidizing, non-metallic aggregate, special cement and additives, free from oil, grease and other contaminants. When it is broad casted on freshly laid concrete, after finishing, it forms a tough, hard, wear resistance monolithic floor.

Indicative Characteristics

- Color and Appearance : Black Granules
- Abrasion Resistance (as per IS 1237-2012) : 300 % (minimum) as compare to reference
- Sample Water absorption (as per IS1237-2012) : 10% (maximum)
- Average Wear (application rate 7kg/m²) : < 2mm
- MothsScaleHardness (aggregate) : 8
- Magnetic effect, % (w/w) : >80

Domains of Application

By the use of Aneeb Floortop – NM , the top surfaces of flooring and paving can be made wear resistant and dustproof. It is ideally suited for use in all types of industrial floors, which are subjected to heavy traffic movement. It can withstand the impact load due to movement of heavy load over the floor topping. It is specially recommended in heavy engineering factories or as workshop floor toppings, hangers, car parks, in warehouses and gangways where frequently trolleys with metal wheels or forklifts carrying heavy load.

Method of Application (Floor Croncreting)

The floor concrete should be placed in accordance with good concrete practices. The Water: Cement ratio should be kept to a maximum limit of 0.55 with a slump value of 60-80mm. Concrete produced with water reducing admixture results better performance with reduced bleed water. Particular care must be taken at the corners and edges of bays, hand ramming and firm trowelling being carried out to ensure that the level can be maintained throughout the subsequent trowelling operations. The floor concrete can also be vacuum dewatered.

Mixing & Applications

Aneeb Floortop – NM should be broadcast in two equal stages evenly over the surface of freshly laid concrete as soon as the surface water has evaporated or when depth of light footprint is about 3-5mm. Immediately after each stage of broadcasting of Aneeb Floortop – NM the first trowelling should be carried out, either by hand or by means of a power float. When the surface has sufficiently stiffened a second trowelling should be given to close any pores and remove any undulation in the surface. This shall be followed by a final hand trowelling to remove any disc marks.

Curing

Curing is essential part of Aneeb Floortop – NM flooring system. The effective curing method is to apply Aneeb Cure –WB or any other effective curing membrane manufactured by Aneeb Chemicals. Other curing methods such as covering with plastic sheet, wet hessian cloth or pond curing is also accepted and shall be continued at 7days.

Coverage

TYPE OF FLOOR CONSUMPTION (kg/m²)

Light Duty : 3.0 – 3.5

Moderate Duty : 4.0 – 5.0

Heavy Duty : 6.0

Advantages

Excellent wear resistance and produces high degree of abrasion resistant floor surface.

Impact resistance 2 to 3 times more than that of plain concrete.

Superior densified surface than plain concrete which increases resistance to penetration by oil, grease, hydraulic fluids, motor fuels, and many industrial chemicals.

Being Non- metallic nature, safely be used for dry as well as wet areas.

Non-rusting and easy maintenance.

Compatible with vacuum dewatering flooring (VDF) system

Facilitates fast construction with minimum site costs.

Bonds well with most conventional cementitious substrates.

Web: www.aneebchemicals.in

Shelf life & Storage

12 months from the date of manufacturing when stored in un- opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Precautions

Aneeb Floortop – NM should not be applied on too wet or surfaces with bleed water. If it is used in such cases, heavy filler aggregates may sink into the fresh concrete; therefore, performance of Aneeb floortop – NM shall not be achieved as expected. On the other hand, if the concrete is too dry, there should not be sufficient water to bond with the concrete and because of over trowelling, surface crack and delamination may appear in later stage.

Packing : 25kg waterproof laminated HDPE bag

Safety

Wear hand gloves, safety shoes and safety goggles while using and handling the product.

In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on demand or our website



ANEEB BONDPLAST – PC 30

Modified Polycarboxylic Ether based High Range Water Reducing Admixture cum Retarding Superplasticiser

DESCRIPTION

ANEEB BONDPLAST – PC 30 is a new generation high range water reducing admixture based on modified **polycarboxylic** ether. It is a brown liquid which gets dispersed immediately in concrete mix together with water. This product has been specially developed to cater to the requirements of manufacturing very high grade concrete with huge water reduction and extended working time. It is chloride-free and compatible with all types of cement. The unique mechanism of action of **polycarboxylic** ether present in **ANEEB BONDPLAST – PC 30** greatly enhances the effectiveness of cement dispersion because of its typical molecular structure, having long side chains. At the very early stage of the mixing process, the PCs are absorbed by the cement granules, increasing their negative charge, thus causing electrostatic dispersion. But then, the side chain linked to the polymer backbone generates a steric hindrance that greatly enhances the ability of cement grains to disperse and remain separate. Steric hindrance provides a physical barrier along with the electrostatic barrier between the cement particles, resulting in flowable concrete with great reduction in water content.

STANDARD

It conforms to IS: 9103, ASTM C-494 Type B,D & G, EN 934-2 T3.1/3.2.

USES

ANEEB BONDPLAST – PC 30 is used to produce an extremely workable flowing concrete without loss of strength or to enable large water reduction for the same

workability resulting in dense rheodynamic concrete with higher ultimate strength. This product is very useful in producing pumpable concrete, precast concrete, prestressed concrete, industrial / commercial flooring with floor toppings and in areas where early shutter stripping are required (Refer Table – 1).

Note : The above results are indicated only as a guide and as such based on our laboratory experience using cement, aggregates available locally. Type of cement aggregates from other sources may produce different results. Therefore site trials are essentially recommended to determine optimum suitability for a particular application.

ADVANTAGES

- Substantial improvements in workability and flow properties without increased water produces self leveling concrete which can be poured into place around congested reinforcement and requires little(or no) vibration to achieve optimum compaction. The bondstrength of concrete to reinforcement steel is considerably increased.



ANEEB BONDPLAST– PC 30

- The internal friction and thixotropy of mix is reduced to a minimum without the risk of segregation, thus making concrete pumping more efficient.
- Very significant water reduction minimizes shrinkage cracking thereby producing close textured impervious / impermeable concrete with improved durability and surface finish. Suitable for use in most types of concrete above and below ground subjected to water pressure and aggressive atmospheric conditions. Reduction in concrete permeability protects against water migration and corrosion of embedded steel.
- For a given concrete mix, keeping the cement consumption and workability constant by large reduction in the amount of mixing water, substantial increase in strength can be achieved. Alternatively, for the same concrete mix, by keeping the workability and strength constant, a definite cement economy ranging from 15 to 25% can be obtained. Obvious advantages for precast concrete production.

TECHNICAL DATA

Form	Brown liquid
Specific Gravity	1.04 ± 0.02
Air Entrainment	May increase very marginally
Setting & Hardening	There may be retarding effect on the setting time
Chloride Content	Nil
Compatibility	Can be used with all types of Portland and slag cements including sulphate resisting cement and pozzolans, e.g., Microsilica, fly ash, GGBFS, etc
pH Value	(6 min.)

Consistency

ANEEB BONDPLAST – PC 30 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

DOSAGE

The optimum dosage should be determined by site trial with the particular concrete mix. As a guide the rate of addition is generally in the range of 200 to 1000 ml per 50 kg of cement depending on the function.

The plasticizing-cum-water reducing properties are improved if the admixture is added to moist concrete after adding 60-70% of mixing water. Addition of **ANEEB BONDPLAST – PC 30** to dry cement or aggregate is not recommended.

Function	Dosage
As superplasticizer – flowing concrete	200 to 400 ml per 50 kg of cement
As high range water reducing admixture for high strength concrete (with large water reduction)	500 to 1000 ml per 50 kg of cement

Severe or over-dosage of **ANEEB BONDPLAST– PC 30** may result into segregation / bleeding of mix, delayed initial / final set, increased plastic shrinkage, air-entrainment, etc.

Method of use

ANEEB BONDPLAST – PC 30 is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of **ANEEB BONDPLAST – PC 30** should be added directly into the mixer at the same time as the mixing water. On no account should be added to the dry cement.



ANEEB BONDPLAST – PC 30

STORAGE & SHELF LIFE

ANEEB BONDPLAST – PC 30 must be stored within moderate temperature, under cover, away from direct sunlight. If stored as mentioned above, shelf life is 12 months.

PACKING

Available in 50 Kg, and 200 Kg plastic container.

HEALTH & SAFETY

ANEEB BONDPLAST – PC 30 is formulated from chemicals which present no fire or health hazards.

PRODUCT INFORMATION

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

WARRANTY

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. Recommendation as per this data sheet are based on our team's combined practical experience and exposure over 11 years in the field of construction and are believed to be most appropriate. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

TECHNICAL SERVICE

- **ANEEB has an advisory service on concrete mix design & application of right products at right place, can be contacted if assistance is required..**
 - **ANEEB maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the Construction Industry. The Division will advise on the correct use and selection of right products at the right place.**
 - **ANEEB undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures; undertakes / delegates jobs as a package for total waterproofing system with guarantee.**
-



ANEEB BONDPLAST– PC 50

Modified Polycarboxylic Ether based High Range Water Reducing Admixture cum Retarding Superplasticiser

DESCRIPTION

ANEEB BONDPLAST – PC 50 is a new generation high range water reducing admixture based on modified **polycarboxylic** ether. It is a brown liquid which gets dispersed immediately in concrete mix together with water. This product has been specially developed to cater to the requirements of manufacturing very high grade concrete with huge water reduction and extended working time. It is chloride-free and compatible with all types of cement. The unique mechanism of action of **polycarboxylic** ether present in **ANEEB BONDPLAST – PC 50** greatly enhances the effectiveness of cement dispersion because of its typical molecular structure, having long side chains. At the very early stage of the mixing process, the PCs are absorbed by the cement granules, increasing their negative charge, thus causing electrostatic dispersion. But then, the side chain linked to the polymer backbone generates a steric hindrance that greatly enhances the ability of cement grains to disperse and remain separate. Steric hindrance provides a physical barrier along with the electrostatic barrier between the cement particles, resulting in flowable concrete with great reduction in water content.

STANDARD

It conforms to IS: 9103, ASTM C-494 Type B,D & G, EN 934-2 T3.1/3.2.

USES

ANEEB BONDPLAST – PC 50 is used to produce an extremely workable flowing concrete without loss of strength or to enable large water reduction for the same

workability resulting in dense rheodynamic concrete with higher ultimate strength. This product is very useful in producing pumpable concrete, precast concrete, prestressed concrete, industrial / commercial flooring with floor toppings and in areas where early shutter stripping are required (Refer Table – 1).

TABLE – 1 Test Results for Early Shutter Stripping Usage.

ANEEB BONDPLAST – PC 50

Test	Dosage in Lt / 50 Kg of cement	W / C	Cement content in Kg / m ²	Slump in mm	Compressive strength in Kg / cm ²		
					3 Days	7 Days	28 Days
Control Mix	Nil	0.55	400	10	140	243	342
ANEEB BONDPLAST– PC 50	0.3	0.50	400	115	245	340	405

(Laboratory Temp. 28°C and RH – 70 ± 5%)

Note : The above results are indicated only as a guide and as such based on our laboratory experience using cement, aggregates available locally. Type of cement aggregates from other sources may produce different results. Therefore site trials are essentially recommended to determine optimum suitability for a particular application.

ADVANTAGES

- Substantial improvements in workability and flow properties without increased water produces self leveling concrete which can be poured into place around congested reinforcement and requires little(or no) vibration to achieve optimum compaction. The bondstrength of concrete to reinforcement steel is considerably increased.



ANEEB BONDPLAST – PC 50

- The internal friction and thixotropy of mix is reduced to a minimum without the risk of segregation, thus making concrete pumping more efficient.
- Very significant water reduction minimizes shrinkage cracking thereby producing close textured impervious / impermeable concrete with improved durability and surface finish. Suitable for use in most types of concrete above and below ground subjected to water pressure and aggressive atmospheric conditions. Reduction in concrete permeability protects against water migration and corrosion of embedded steel.
- For a given concrete mix, keeping the cement consumption and workability constant by large reduction in the amount of mixing water, substantial increase in strength can be achieved. Alternatively, for the same concrete mix, by keeping the workability and strength constant, a definite cement economy ranging from 15 to 25% can be obtained. Obvious advantages for precast concrete production.

TECHNICAL DATA

Form	Brown liquid
Specific Gravity	1.08 ± 0.02
Air Entrainment	May increase very marginally
Setting & Hardening	There may be retarding effect on the setting time
Chloride Content	Nil
Compatibility	Can be used with all types of Portland and slag cements including sulphate resisting cement and pozzolans, e.g., Microsilica, fly ash, GGBFS, etc
pH Value	(6 min.)

Consistency

ANEEB BONDPLAST – PC 50 is formulated from carefully selected raw materials and is manufactured under controlled strict quality condition to produce a consistent product.

DOSAGE

The optimum dosage should be determined by site trial with the particular concrete mix. As a guide the rate of addition is generally in the range of 200 to 1000 ml per 50 kg of cement depending on the function.

The plasticizing-cum-water reducing properties are improved if the admixture is added to moist concrete after adding 60-70% of mixing water. Addition of **ANEEB BONDPLAST – PC 50** to dry cement or aggregate is not recommended.

Function	Dosage
As superplasticizer – flowing concrete	200 to 400 ml per 50 kg of cement
As high range water reducing admixture for high strength concrete (with large water reduction)	500 to 1000 ml per 50 kg of cement

Severe or over-dosage of **ANEEB BONDPLAST– PC 50** may result into segregation / bleeding of mix, delayed initial / final set, increased plastic shrinkage, air-entrainment, etc.

Method of use

ANEEB BONDPLAST – PC 50 is supplied ready for use. For maximum dispersion throughout the mix, measured quantity of **ANEEB BONDPLAST – PC 50** should be added directly into the mixer at the same time as the mixing water. On no account should be added to the dry cement.



ANEEB BONDPLAST – PC 50

STORAGE & SHELF LIFE

ANEEB BONDPLAST – PC 50 must be stored within moderate temperature, under cover, away from direct sunlight. If stored as mentioned above, shelf life is 12 months.

PACKING

Available in 50 Kg, and 230 Kg plastic container.

HEALTH & SAFETY

ANEEB BONDPLAST – PC 50 is formulated from chemicals which present no fire or health hazards.

PRODUCT INFORMATION

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally result in marginal changes in properties.

WARRANTY

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. Recommendation as per this data sheet are based on our team's combined practical experience and exposure over 11 years in the field of construction and are believed to be most appropriate. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

TECHNICAL SERVICE

- ANEEB has an advisory service on concrete mix design & application of right products at right place, can be contacted if assistance is required..
 - ANEEB maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the Construction Industry. The Division will advise on the correct use and selection of right products at the right place.
 - ANEEB undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures; undertakes / delegates jobs as a package for total waterproofing system with guarantee.
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Aneeb *PUMP PRIMER*

PUMPING AID AND PRIMER FOR CONCRETE PUMP IN POWDER FORM

Description

Aneeb Pump Primer is a ready to use compound in powder form easily soluble in water and is available in pre-measured plastic pack. This uniquely formulated compound consists of high performance a ingredient which is very effectively used for priming of all types of concrete pumps instead of using the conventional slurry made of cement, sand and water. Using this compound enables a considerable cost saving and helps in protection of the concrete pump and pipeline from getting choked. With the uses of Aneeb Pump Primer the efficiency of the concrete pump and pipeline gets enhanced as the hydraulic pressure in the pump gets minimized and lubrication in the pipeline make harsh concrete mixes pass through smoothly without any hindrance, resulting to non-chokingof the pipeline in continuous concreting program.

Uses

Aneeb Pump Primer is used as a most effective priming compound and as a pumping aid for concrete pump. It is used very effectively when concrete is pumped through long distance pipelines from the batching plant to the pouring point. The phenomenon of friction when the concrete passes through long pipelines get reduced and the lubrication effect of the compound makes concrete pass smoothly without any choking of the pump and pipeline. In the construction of Bridge Piers, Decks, Dams, Tunnel, Shafts, Well-foundation, etc., where there is huge volume of concreting involved, use of this unique compound eases out choking problems of concrete pumps.

Advantages

- Use of the compound reduces the friction force developed in the pipeline when concrete is pumped.
- It acts as a lubricant on the wall of the pipe line allowing harsh mix to pass smoothly.
- Reduces the risk of choking when concrete is placed by pump at higher temperature.
- Efficiency of the concrete pump gets increased.
- Cost effective and resists the wearing of pipeline.
- Ready to use only water to be added.

Direction For Use:

For Priming of Concrete Pump:

Aneeb Pump Primer when used for priming of Concrete pump, the entire pouch of 250 gm, is to be poured at one side of the pump hopper or separately in the bucket where the slurry is being made. About to 20 to 23Ltr. of water is to be added to it and stirred uniformly for complete dissolution of the same. The slurry produced from one pouch will be sufficient for priming 70-80 meters length of pipeline. For a pipeline length of 120meters, 2(two) number pouches are to be used. Whenever additional pouches are used for priming of increased pipeline length, it is to be always ensured that extra water of 20-23 Ltr. is added for proper dissolving of the powder and for better performance.

As a Pumping Aid for Stiff Mixes:

Aneeb Pump Primer when used as a pumping aid for pumping stiff mixes, one pouch (250 gm) is recommended to be used for 1-5 cubic meter of concrete. The content of the pouch is mixed directly into concrete produced.

Either by Mixture Machine or in Batching Plant and is made to be mixed for 5-6 minutes uniformly with the concrete. It is always advised to perform prior test and determine the suitability of Aneeb Pump Primer in concrete, because it absorbs water for hydration and this may have an adverse effect on concrete produced with Super plasticiser at low W/Cratio.

PROPERTIES

Aspect- White Powder

Dosage:

When used for priming of pump, a 250 gm. Pouch pack is to be added to 20 to 23 Ltr of water, producing slurry of desired consistency for priming 70-80 meter length of pipeline.

When used as a pumping aid for stiff mixes, a 250gm. Pouch pack is to be added to 1-5 cubic meter of concrete. It is always recommended for doing prior testing of the same before adding to concrete to get desired result in terms of work ability and strength.

Chloride Content : Nil—As per B.S— 5075(Part-1)

Shelf life : Best before 12 months from the date of manufacturing in unopened conditions.
To be stored in a cool and dry place away from direct sunlight at temperature ranging between 20°C (Min.) and 50°C (Max.)

Packing : Available in 250gms. Plastic pouch pack

HANDLING PRECAUTION

Aneeb Pump Primer is non-toxic but ingestion is to be avoided. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- Aneeb Chemicals maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suit your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical data sheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO 9001:2015 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since ANEEB CHEMICALS PVT. LTD. has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

Aneeb *Bondplast Anticorrosive Admixture*

Calcium nitrite corrosion inhibiting admixture

Uses

Where calcium nitrite is specified for addition to concrete as a corrosion inhibiting admixture.

Advantages

- Based on the main chemical type specified for use as a corrosion inhibitor in concrete.
- Can be used in conjunction with other admixtures.

Description

Bondplast Anticorrosiv admixture is based on calcium nitrite. It is supplied as a pale straw coloured solution that instantly disperses in water.

Technical support

Aneeb Chemicals provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

Typical Dosage

Bondplast Anticorrosiv Admixture should be used to give the addition level required in concrete mix specification documents. Typical specified dosage levels are normally in the range of 7.5 to 22.5 litres per cubic metre of concrete. Because Bondplast Anticorrosiv Admixture has a high dosage level, calculation of water cement ratio should include the water added to the mix in the admixture.

Properties

Appearance: Pale straw coloured liquid
Chloride content: Nil to Bs5075
Calcium nitrite content: 30% minimum

Instructions For Use

Bondplast Anticorrosive Admixture is compatible with other Aneeb Chemicals admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is obtained.

Bondplast Anticorrosive Admixture is suitable for use with ordinary Portland cement. Contact the Aneeb Chemicals Technical Service Department for advice on use with sulphate resisting cements and cement replacement materials.

Dispensing

The correct quantity of Bondplast Anticorrosiv Admixture should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.

Contact the Aneeb Chemicals Technical Service Department for advice regarding suitable dispensing equipment and its installation.

Curing

As with all structural concrete, good curing practice should be maintained. Water spray, wet hessian and/or Aneeb Curing Compound applied curing membranes should be used.

Limitations

Bondplast Anticorrasiv Admixture may accelerate the set of concrete. This should be checked during trials. Various grades of retarding admixtures can be used to offset any undesired effects.

For optimum protection of reinforced concrete against chloride attack the water cement ratio of the concrete must be kept to a very low level. Water cement ratios of below 0.4 should typically be specified for this purpose. The use of Bondplast PC range of Admixture will be found useful in obtaining this performance.

Estimating

Packaging: Bondplast Anticorrasiv Admixture is available in drum or bulk supply.

Storage

Bondplast Anticorrosive Admixture has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then the Technical Service Department should be contacted for advice.

Bondplast Anticorrosive Admixture is an oxidizing agent and should be stored away from reducing agents and combustible materials.

If a joint is left unsealed for more than 4 hours, the primer should be removed by grit blasting or grinding and the joint re-primed.

For further advice on priming required please contact Technical Service Department.

Precautions**Health and Safety instructions**

Bond Plast Anticorrosive Admixture is toxic and should not be swallowed or allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles. Splashes on the skin should be removed with water.

In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately. Do not induce vomiting.

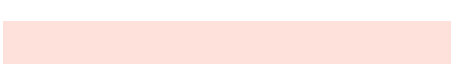
Fire

Bondplast Anticorrosive Admixture is water based and non-flammable but should be stored away from combustible materials.

Cleaning and Disposal

Spillages of Bondplast Anticorrasiv Admixture should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Do not allow it to enter rivers or drains. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Grout Colors

	Bright White		Platinum
	Quarry Red		Raven
	Silk		Mushroom
	Almond		Canyon Red
	Antique White		Mayan Red
	Sauterne		Sable
	Dusty Rose		Hemp
	Parchment		Ivy
	Buff		Sierra Sunrise
	Mocha		Inca Gold
	Sandstone		Sage
	Marble Beige		Saltillo
	Midnight Black		Aqua Blue
	Sky Blue		Sapphire
	Alpine Blue		Smoke Grey
	Burgundy		Cadmium Red
	Silver Shadow		Spectra Pink
	Slate Grey		Lemon Yellow
	Natural Grey		Wood Brown
	Light Green		Terracota

Note: All Shades Shown above are for indicative purpose only.

Web: www.aneebchemicals.in

Actual shade and texture will depend on jobsite conditions and workmanship.

PRESTIGIOUS CLIENTS

Thousands of well-known brands trust ANEEB to help them with their needs.

See a small selection of some of our clients below.



Web: www.aneebchemicals.in



Manufactured & Marketed by:

Aneeb Chemicals Pvt Ltd

Works: Aneeb Chemicals Pvt Ltd, Khasra No. 1250, Village Morta, Ghaziabad, (U.P.) India.

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