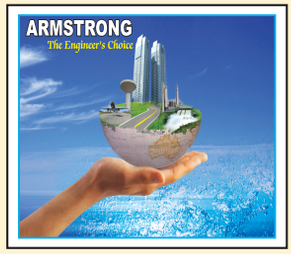
ARMSTRONG CHEMICALS PVT. LTD.,
Bengaluru
An ISO 9001 : 2015 Certified Company

ROOFCOAT™

(High Elastomeric Acrylic Polymer modified cementitious Waterproof Systems)

DESCRIPTION OF THE PRODUCT :



ROOFCOAT an unique easy to use High strength Polymer modified Cementitious Elastomeric waterproofing system for protecting concrete and masonry.

ROOFCOAT a Polymer solution in conjunction with cement provides excellent properties to combat the short falls of cement, particularly its poor adhesion, low flexural impact strength. **ROOFCOAT** polymer solution which has to be mixed with fine cement (Grey or White) when mixed in correct proportion forms a highly elastomeric water impermeable membrane, which adds to the potential use as well as enhances the properties of cement mortar and easily brushable coating, making them excellent choice for use in new as well as structural rehabilitation works. It can with stand extreme weather conditions and temperatures.

APPLICATIONS AREA

- **ROOFCOAT** can be effectively used in both old and new concrete surfaces, pre-cast slabs, A. C. Roofs.
- It can be used as protective coating to vertical and horizontal surfaces.
- Waterproofing of basements, toilets, sunken portions, swimming pools, water tanks, roof gardening etc.,
- Waterproofing to complicated structures like domes, arches, roofs.
- Can be used as bonding agent between old and new concrete.
- Can be used for injection grouting works.
- Protective coating to concrete against corrosion and salt attack etc.,
- Can be easily mixed with cement paints/acrylic paints for the best waterproofing for external surfaces.

TECHNICAL DATA

1. No. of components	Single component
2. Mixing ratio recommended to use as polymer modified cementitious elastomeric waterproofing surface coating system.	1 Ltr. ROOFCOAT mix with 2 Kgs. of cement add req. water to get paint like consistency.
Coverage : Bond coat / waterproof coating	6 to 8 Sq, Mtr. Per Ltr / Coat
3. Pot life at 27 plus or minus 2 centigrade	40 to 60 Minutes
4. Number of coats	Two (2)
5. Time interval between coats	3 to 4 Hours
6. Tack free time / Hardening time	2 Hours / 7 Days
7. Tensil strength	Minimum 7 Kg / cm2
8. Elasticity / UV Resistancy	Minimum 20% / 100%
9. Shelf life	2 years
10. Water permeability by DIN 1048	7 days under 7 bars of water pressure
11. pH Value	11.50 to 12

ADVANTAGES

- Provides tough flexible hard wearing surface with waterproofing.
- Resistant to most diluted acids, alkalis, salts, moisture and fungus growth.
- Highly resistant to Ultra Violet rays and chemical aggression.
- Develops excellent bonding with substrates E.G. Concrete, Masonry, Metal, Wood and Plastics etc.,
- Non-Toxic, Non flammable when exposed to fire.
- It allows trapped vapours to escape thus preventing peeling and blister formation.
- Ideal for Crack filling works for both internal/ external for cracks which may not widen further.
- Ideal to use as tile fixing additive, mix Roofcoat 500ml to 1 Ltr.. with 50 kgs of cement & prepare the mortar.
- Ideal for repairs to cement plastering/concrete works, mix Roofcoat 500 ml. to 3 Ltrs. for 50 kgs. cement.

SURFACE PREPARATIONS

All surface which are to receive Roofcoat coating must be free from oil, laitance, grease, wax dirt or any other form of foreign material which might affect the bonding between the surface and coating. Any deposits of contaminations cement laitances should be removed by wire brushing/chipping and water washing.

Cracks pot holes, Expansion joints etc., should be properly sealed and masonry joints must be cured. If the surface has already received other types of waterproofing treatments, like tarfelt or bitumen, it is preferably to remove the tarfelt layer already received other types of waterproofing treatments like, tarfelt or bitumen, it is preferably to remove the tarfelt layer completely prior to application of ROOFCOAT .

APPLICATION INSTRUCTIONS USE AS POLYMER MODIFIED CEMENTITIOUS ELASTOMERIC WATERPROOFING SURFACE COATING SYSTEM / BOND COAT :

Before application of ROOFCOAT sprinkle water on the surface. Take 1 Ltr. of ROOFCOAT solution and 20% water is taken in an open plastic container or metal drum, to this add gradually 2 Kgs. of cement, mixing is continued for 2 to 4 min. until a lump free, homogeneous slurry is obtained , If required mix with some more water to get paint like consistency. ROOFCOAT can be applied by brush or roller on the prepared surface . Do not mix more material that cannot be used within the pot life. During application, stir the contents in the container to maintain the homogeneity of ROOFCOAT mix. After leaving a gap of 3 to 4 hours, the second coat of ROOFCOAT can be applied. Generally two coats recommended for the best results. For bonding between old and new concrete / mortar, fresh concrete / mortar has to be placed immediately after application of ROOFCOAT one coat on the old concrete surface. Curing adviced on the next day of application by sprinkle the water at regular interval for long lasting durability.

CLEANING Immediately after application of ROOFCOAT clean the tools , equipments and the mixing container by using water, otherwise, removal of dried / hardened ROOFCOAT is difficult.

PACKING : 500ml, 1, 5, 10, 20, 30 & 210 Liters

Whilst ARMSTRONG CHEMICALS PVT. LTD. strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.

Manufacturers :

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