CIS DAMP SHILD

DAMP - PROOF COATING FOR INTERNAL WALLS AND RCC WATER TANK

PRODUCT CATEGORY: DAMPROOF WALLS COAT

PRODUCT DISCRIPTION

CIS DAMP SHILD is a two-component coating composed of epoxy resin, curing agent, inert pigments & properly selected fine fillers, additives in water as a medium. It has an advantage of dilution with water for application over cementitious surfaces. It is used as an internal coating for the damproofing treatments of water tanks with anti-microbial anti fungal properties. It has excellent water resistance, adhesion to concrete surface, has good hardness and sets faster.

FEATURES

- Application advantage - It can be applied over damp concrete & plaster surfaces and provides excellent water resistant coating with tough & hard film.
- Microbial resistant - Possesses anti-fungal property and is resistant to micro-organisms.
- Adhesion - Provides excellent adhesion to all cementitious substrates.
- Chemical resistant - Excellent resistance to water, salt water, mild acids, alkalis & soap water.
- Toxicity – It is Non-toxic.
- Eco-friendly - Non-hazardous and non-flammable.
- Economical - Water dilutable with high coverage hence economical.
- Health and sefty - Safe for drinking / Potable water contact.

TYPICAL APPLICATION

- Damproofing treatment for RCC water tanks.
- Internal damp wall treatment.
- As putty with OPC- White cement to fill the fine cracks of internal walls. In sterile areas of pharma, food industries &hatcheries etc.

METHOD OF APPLICATION

SURFACE PREPARATION

- Clean the surfaces thoroughly, it should be free from oil, grease, dust, dirt, fungus and moss. Thorough wire

brushing followed by sanding with emery paper is recommended.
Remove the existing paint, neroo or instant lime, etc. while treating internal damp walls

MIXING

Stir the Base and Hardener thoroughly in their individual packs to achieve the uniform consistency. Pour the Base part in appropriate container followed by the Hardener part and mix them thoroughly to a homogeneous smooth paste. Dilute the mixed compound with water (In ratio of 1 part Base: 1 part Hardener: 1.2 part water) by slow addition and mix it thoroughly to get a brushable consistency.

APPLICATION

DAMPROOFING OF RCC WATER TANKS
Fill the cracks & grooves with CIS DAMP SHILD and cement modified putty & allow it to dry for at least 24 hours.
Apply a coat of CIS DAMP SHILD . Let it dry for 24 hrs as there is no ventilation inside the tank for proper drying..
Apply second coat of CIS DAMP SHILD . Allow it to air cure completely for 7 days.
The coating of CIS DAMP SHILD then must be cleaned thoroughly with plenty of water 6-7 times prior to storage of the water to avoid foam formation.

PUTTY PREPARATION

In case of persistent dampness problems use a coat of putty prepared with Damp PROOF as directed below. Stir the contents of both base and hardener individually to achieve uniform consistency for each. Mix base and hardener together and mix thoroughly to achieve homogenous mixture. Mix 1 part of prepared Damp proof with one part of cement and stir well to achieve a proper consistency of putty Damp-proofing of Internal Walls:

SURFACE PREPARATION
Clean the existing substrate as mentioned earlier in the surface preparation section.

APPLICATION
Apply two brush coats of mixed CIS DAMP SHILD at an interval of 6 to 8 hours. Allow it to dry for minimum 24 hours before proceeding for painting. Incase of persistent dampness problems, Apply one coat of CIS DAMP SHILD followed by a coat o f CIS DAMP SHILD Putty prepared as stated above and finally second coat of CIS DAMP SHILD .

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TECHNICAL INFORMATION

PROPERTIES	SPECIFICATION	RESULTS
Nature		Two component
Mixing ratio, By weight (Base : Hardener : Water)		1:1:1.2
Consistency	Free flowing smooth paste	Smooth paste
Pot life at 30OC, Minutes	50-80 minutes	60 minutes
Surface drying time	60 to 120 minutes	90 minutes

THEORETICAL COVERAGE

CIS DAMP SHILD as a coating: 6 to 8 m2 per kg per coat at DFT 75 microns + OPC Cement putty: 0.6 to 0.8 m2 per kg per coat. * Coverage depends upon the nature & texture of the surface.

SHELF LIFE

Shelf life is 12 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.