

Echo Cementitious Waterproof Coating

• DESCRIPTION & FIELD OF APPLICATION

Echo cementitious coating is an elastomeric acrylic cementitious coating that mixed on site with white or black cement, to form a flexible waterproofing coating. It can be applied on Internal and external structural of concrete and other mineral substrates, masonry and most other surfaces by brush, roller or trowel. The coating provides a hard finish seamless surface and a barrier to protect from waterborne salts and atmospheric gases.

Echo cementitious is a standalone product that can be left as a finished surface or coated with mortars, paint, etc..

It can be applied to new and old substrates to provide a protective, waterproof coating.

• RECOMMENDED USES

- High Internal & external walls
- Swimming pools
- Pile heads
- Sloped or flat roofs
- Marine and zoo
- Aquarium tanks
- Plaza decks and patios
- Balconies, parapet walls or planter boxes
- Mechanical rooms
- Underneath tile mortars in kitchens, bathrooms, etc.
- Water tanks and waste water treatment tanks

• Benefits

- High Performance Quality
- Incorporates the latest proven cement chemistry, micro silica, fiber and styrene acrylic copolymer technology
- Waterproof, suitable for water retaining structure and basements
- Breathable, water vapor preamble
- Durable, excellent resistance to UV attack
- Excellent protection against carbon dioxide, chloride ions and water
- Non-toxic, solvent free – environmentally friendly
- Cost effective, quick and easy brush or roller application
- Suitable for internal and external applications

- Low Odor
- Suitable for internal and external applications
- Excellent adhesion. Bonds to porous and nonporous surfaces
- Flexible
- Chemical resistant
- Anti-carbonation
- Easily over coated with specialist membranes to provide further protection and aesthetic properties.

• PHYSICAL SPECIFICATIONS

- | | |
|-------------------------------------|--|
| - Specific Gravity of mixed product | - 1.3 kg/litre |
| - Flexibility | - 13% |
| - Extender | - Selected fine Silica |
| - Resin | - Acrylic Polymer |
| - VOC content | - 9 g/L |
| - Theoretical Coverage | - 4 to 5 m ² /liter (according to thickness required) |
| - Drying Time at 25°C | Dry film:: 5 to 7 hours |
| | Recoating Interval: 24 hours ^(minimum) |
| | Immersion: 7 days |

• SURFACE PREPARATION

A. New surfaces (Concrete & Masonry):

All new surfaces must be cured at least 30 days prior to application of the primer. The surface must be treated by removing all protrusions to get a suitable surface for application.

B. Previously painted surfaces:

Remove old paint from the surface completely. Make sure the surface is completely clean and dry; free from dust, oil, grease, salt and mold. Fill the holes and the cracks with suitable filler prior to the application of the primer.

• APPLICATION

- Stir the contents before mixing.
- For each 1kg cementitious add ½kg black or white cement, Mix the two well before applying.
- Add recommended water, Maximum 45% to 50% may be added in desired proportion to suit the application.
- Brush, trowel or Roller applied normally in two coats.

- **CONDITION OF APPLICATION**

1. The surface must be free from the dust, grease, oil, and other contaminants completely.
2. Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 85%
3. Angle fillet area, joints around pipes, conduits and any other cracks on the floor must be treated with a suitable filler before application.
4. A suitable quantity of water can be added to get reasonable viscosity for application.
5. Do not apply on surfaces until they get completely dry
6. Do not apply next coat unless the previous one is fully dry, Minimum recoating interval time 24 hours should be given between two coats.
7. Allow curing for 24 hours after which an inspection water test can be done. Adequate ventilation should be provided during drying time.

- **THINNING**

Water

- **PACKING**

19-liter Pail

- **STORAGE**

- The product must be kept in cool and well-ventilated place, protected from sunlight and heat.
- Containers must be kept tightly closed after partial usage.
- Storage life: up to 5 years from date of production, if stored as suggested.

- **REMARKS**

- Avoid application below 5° C or over 85% relative humidity.
- After using, clean the application tools immediately with water.
- Keep out of children's reach.
- For more information, please do not hesitate to contact our Technical Department.