Costar Industries Inc

COSTAR POLYCOAT

Acrylic Polymer for Cement Based Composite Waterproofing Membrane

Description

Costar PolyCoat is formulated to be mixed with cement on site or simply brush applied over concrete or masonry surfaces to provide an effective waterproof membrane. It provides an effective and economical method of waterproofing to concrete and masonry surfaces, by mixing with cement and application by brush.

Advantages

- Allows the concrete to breathe
- Provides a tough, impermeable waterproof membrane
- Can be easily applied on horizontal and vertical surfaces with brush.
- Excellent adhesion to concrete and masonry surfaces
- Protects concrete and mortar from natural elements such as wind, rain, sunlight

Areas of Application

- Below sloping screed or waterproof plaster on:
- Roofs, terraces and balconies
- Pools and fountains
- Reservoirs and channels
- End walls subjected to rain

Application

Surface Preparation

- Concrete substrates must be sound and of sufficient compressive strength (minimum 25N/mm2) with a minimum pull off strength of 1.5N/mm2. The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. if in doubt, apply a test area first.
  Concrete substrates could be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as voids must be fully exposed. Repairs to the substrate, filling of voids and surface leveling must be carried out by using Costar Repair Mortar. The concrete or screed substrate has to be primed or leveled in order to achieve an even surface.

Priming

- The surface should be primed with Costar PolyCoat before application. The product should be mixed with water and cement in the proportion below:

1 part of Costar-Coat: 2 parts of Water: 4 parts of Cement

Topcoat

Costar PolyCoat must be thoroughly mixed with cement using a low speed electric stirrer (300-400rpm) or other suitable equipment to obtain uniform, consistent and lump-free slurry.

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COSTAR
BUILDING PRODUCT SYSTEM

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Attention
- Do not mix for more than 2 minutes.
- Do not add water after mixing
- Do not mix more material than which can be used within the pot life.
- Occasionally stir the material till the entire quantity is applied, so that solids do not settle at the bottom of the container.

Application

For best results, wet the surface before coating. Apply the mix with a short, stiff bristle brush like paint to an approximate thickness of 1 to 2mm. Protect coated surface from traffic, rain or other adverse conditions for about 12-48 hours.

First coat should be allowed to air dry for 5 - 6 hours. After application of the final coat, initial air drying shall be allowed for 2 to 6 hours.

Curing

Costar-Coat should be allowed to dry for three days before subjecting it to submersion in water.

Technical Details

Water absorption	1% maximum
Pot life at 30^0C	30 min
Application temperature	Not less than 10^0C
Toxicity	Non-toxic
Bond strength to concrete	Approx. 1 N/mm^2

Coverage

Priming coat - 18-20m2/L
Topcoat – 5.5 – 6.0m2/ L

Packaging

25 liters pack

Storage

24 months from date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperature between +200C and 300C.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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