



COSTAR POLYCOAT 2K

Acrylic Polymer for Cement Based Composite Waterproofing Membrane

PRODUCT DESCRIPTION

Costar PolyCoat 2k 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 for concrete and masonry surfaces, bymixing with cement and application by brush.

FEATURES

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

APPLICATION AREA

Below sloping screed or waterproof plaster on:

- Roofs, terraces and balconies
- Reservoirs and channels
- End walls subjected to rain
- Pools and fountains

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 2k before application. The product should be mixed with water and cement in the proportion below:
1 part of Costar-PolyCoat 2k : 2 parts of Water: 4 parts of Cement.

Topcoat

Costar PolyCoat 2k 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.

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.

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-PolyCoat 2k should be allowed to dry for three days before subjecting it to submersion in water.

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TECHNICAL PROPERTIES

Packaging	Two component (A---20kg, B---8kg) = 28kg pack
Shelf life	12 months from date of production
Appearance	Component A is greyish, component B is a white liquid
Mixing ratio	Factory proportioned unit. Mix entire contents.
Pot life	Approximately 40minutes
Recoat time	Allow 2 hours minimum between coats
Tensile strength	≥ 2.0 N/mm2 ASTM D-412
Elongation at break	~65 % ASTM D-412
Tensile adhesion strength	≥ 2.0 N/mm2 ASTM D4541
Application thickness	~1.2–1.5 mm in 2 coats
Adhesion to substrate	1.0N/mm2 ASTM D4541
Fresh mortar density	~2.0 kg/L (Part A+B mixed, +27 °C)
Ambient air temp	+10 °C min. / +40 °C max.
Coverage	1.5 - 1.7kg / sqm coat for 1mm dry film thickness
Proprietary polymer	High quality modified acrylic polymer

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STORAGE AND SHELF LIFE

Store under warehouse conditions below 35°C in the original, unopened packs. If stored at high temperature and/or high humidity conditions, the shelf life will be reduced.

It has a shelf life of 12 months when stored in a dry place below 35°C in their original, unopened packs.

STANDARD COMPLIANCE

Conforms to EN 1489-2007, ASTM D-968

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product. For Professional Use only.

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-Proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.