



COSTAR POLY-COAT

Acrylic Polymer for Cement Based Composite Waterproofing Membrane

PRODUCT DESCRIPTION

Costar Poly-Coat 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.

BENEFITS

- 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
- It has dustproofing properties
- It reduces drying and aging shrinkage cracks
- Protects concrete and mortar from natural elements such as wind, rain, sunlight

APPLICATION AREAS

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

APPLICATION

Substrate 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.

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Mixing and Application:

Costar Poly-Coat must be thoroughly mixed using a low speed electric stirrer (300-400rpm) or other suitable equipment to obtain uniform, consistent and lump-free slurry. For best results, the surface should be SSD 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.

Costar Poly-Coat should be mixed with water and cement in the proportion below:

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

Overlay screed or plaster on the final coat is recommended for protection and finish.

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TECHNICAL PROPERTIES

Packaging	20kg bucket
Shelf life	12 months minimum from date of production if stored properly in original, unopened and undamaged sealed packaging.
Appearance	Milky White
Water Absorption	<1 %
Specific Gravity	1.02±0.01
Bonding strength	>5N/mm ² ASTM D 412
PH	7 – 9
Service temperature	+10 °C min. / +40 °C max.

APPLICATION INFORMATION

Cure Time at 25°C	Full cure after 2 to 8hrs
Re-coat time	6 to 8hrs
Storage condition	Store in dry conditions in original packaging at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost
Ambient Air Temperature	+8 °C min. / +40 °C max.





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CONSUMPTION

Theoretical coverage of Costar Poly-Coat is 6-8 Sq.m per liter in 2 coats for the recommended proportion

SHELF LIFE

18 months from date of manufacturing when unopened and stored under proper condition. Keep in a cool and dry place away from direct sunlight.

PACKAGING

20Kg pack

HEALTH & SAFETY

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye/face protection.
- If swallowed, seek medical advice immediately and show this container or label.

- Keep the coating materials above 10C.
- Do not apply when surface temperature is below 10°C or over 35°C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once mixed, it must be used within its pot life as specified in earlier section

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.