

POLYALK WP2

TWO COMPONENT CEMENTITIOUS WATERPROOFING COATING

DESCRIPTION

POLYALK WP2 is a prepackaged cementitious, brush, roller or trowel applied surfacing material. Modified with high solid special latex, this material exhibits excellent bond strength, high water resistance, and chemical resistance with reduced permeability. POLYALK WP2 forms breathable protective coating. It protects exposed reinforced concrete structures from acidic gases attack and chloride ions. POLYALK WP2 is ideal for use in coastal areas and marine environments. It can be used for existing and new concrete structures. POLYALK WP2 is a high wear resistance, weather resistance, seamless resilient and flexible waterproofing coating, suitable for roofs, reservoirs and water tanks.

SALIENT FEATURES

1. Prepacked system that can be easily mixed at site.
2. High strength, heavy duty waterproofing.
3. Resistant to physical, thermal shocks.
4. High flexural strength, extraordinary adhesion, reinforces high compressive strength of cementitious matrix.
5. Can be used for interiors or exteriors.
6. Non-toxic, user friendly, low labor cost.
7. Available in white and grey colour.

CONFORMANCE

Conforms to, flexibility and adhesion test as per I.S. 101. Impermeable to, 7 bar water pressure as per DIN1048.

APPLICATIONS

1. Designed for under water use tank lining, kitchens, swimming pools and fountains.
2. Under thin set ceramic tiles, pavers, stone, marble, indoor or outdoor Carpeting, synthetic grass, and concrete toppings.
3. roof slabs- flat or sloping , chajjas, folded plate roofs, vaulted roofs, domes, flooring , external walls etc.
4. Sunk portion of bathrooms, toilets, balconies etc.

DIRECTIONS FOR USE

1. SURFACE PREPARATION

Free the surface to be coated , of all foreign matter, dirt, dust, paint, oil, grease etc., using a stiff nylon or steel bristled brush. Clean it further, by high pressure water jet or wet sandblasting. Chase out, repair and make good any faulty concrete in the form of cracks and honey combing. Remove any loose residue by means of vacuum cleaner or by pressure washing. Make sure that the concrete has an open surface texture by removing all curing compounds and sealers. Wet the surface prior to application. The concrete surface must be damp and not wet, hence remove excess surface water.

2. MIXING

Mix 10 litre liquid component, with 20 kg powder component, using a slow speed stirrer / mixer. For large quantities, use a paddle type mortar mixer. Stir for minimum 3-5 minutes to get uniform,

lump free, brushable, and slurry consistency. Place the mixed material immediately. Mix as much material as can be used within 45 minutes.

3. APPLICATION

Apply mixed POLYALK WP2 using a brush, roller, trowel, or specialized spray equipment. Ensure that the edges of the vertical surface are evenly coated and extend to the horizontal surface by 100 mm. Evenly spread, by brush, any liquid that may collect on the edges. Allow the coat to cure for at least one day/24 hours. Subsequently, apply the second coat.

4. CURING

Keep the treated areas damp for 7 days. Protect against direct sunlight, wind, and frost by covering with polythene sheets, damp hessian or any other similar material.

CHEMICAL PROPERTIES

Bond strength : 3.8 MPa - 14 days
Compressive strength : 40 MPa - 28 days
Flexural strength : 11 MPa
Tensile Strength : 720 psi

Test conducted on a concrete cube coated with POLYALK WP2 cement slurry.
As per DIN 1048

Test Pressure	Duration of Test	Permeability Single Coat	Permeability Two Coats
1 bar	48 hrs	35 mm	0 mm
3 bars	24 hrs	35 mm	0 mm
7 bars	24 hrs	48 mm	0 mm

COVERAGE

Depends on nature of the surface and number of coats. Average 16-18m² at 1.0 mm

thickness for single coat on a smooth surface for each unit (10 ltr. Liquid & 20 kg Powder)

PACKING

Liquid component 10 litre can Powder component 20 kg bags

STORAGE AND SHELF LIFE

12 months when stored in a cool & dry place; Away from direct sunlight, in original sealed packing.

HAZARDS IDENTIFICATION

Health hazards: No particular hazard known. If the product spills on to the skin and dries up, some irritation may occur.

FIRST AID MEASURES

Skin contact: Immediately wash thoroughly with soap and water.
Inhalation: Remove to open air. Seek medical attention.
Contact with eyes: Immediately wash under running water with eyelids open for at least 15 minutes. Seek medical attention.
Ingestion: Rinse mouth thoroughly and drink plenty of water. Seek medical attention.

ACCIDENTAL RELEASE MEASURES

Environment Care: Clean small spillages immediately with water. Contain large spillages with suitable absorbent materials. Dispose the waste water/absorbent material in accordance with local regulations.

QUALITY ASSURANCE

All products are manufactured under a Quality Management System for Design, Manufacturing and Selling of Construction Chemicals as per the standards of ISO 9001: 2000.

DISCLAIMER
This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products: it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.