

Waterproof WF EX4200

Fibre Reinforced Elastomeric based on Acrylic Co-polymers.

DISCRIPTION

Waterproof WF is a cold applied single pack, high solids, moisture activated, elastomeric urethane containing inert reinforcement of polypropylene fibres. High elasticity allows membrane to "move" without cracking or splitting. Internal reinforcement often avoids the need to use dry reinforcement scrims, matting etc., on tight lap joints, bolt heads, etc. When applied it cures to form a durable, protective waterproof membrane.

USAGE

Waterproofing membrane coating use to, pre monsoon roof coating, waterproofing balconies, terraces, water tank swimming pools, bathrooms, protection of sound (small) flat and pitched roofs, etc. Also used as bridging stripe coat on firm lap joints, bolt heads, during refurbishment of profiled metal sheeted roofs. Roof tiles, wood, galvanized steel, asphalt, asbestos cement, slate and tiles. Other applications wet processing areas and rooms where cementitious screeds will be overlaid.

- Not suitable for use in areas exposed to continuous chemical contamination.
- Not suitable for continuous foot traffic without the addition of suitable walkways or protection.

PROPERTIES	SPECIFICATIONS	RESULTS
Nature		Sing Component
Appearance of Mix		Emulsion Paint (available in white & grey)
Specific Gravity	1.30 ± 0.05 @ 30°C.	1.25
Tack free time @30°C	6 hours	Normal Temp.
Full cure @30°C		48 hours @ 1.5mm thickness
Tensile Strength:	Greater than 80N(9.1Kgf)	>2.6
Elongation	ASTM C 1202-97	>600%
Adhesion Strength N/mm2	Greater than 1.5N/mm².	1.4
application temp. [°c]	5 to 45	Normal
Service Temp:	50 ± 15°C	Normal
UV Resistance @100 [hrs.]	ASTM D4587	No defects
Crack Bridging Ability	ASTM C 836	Passes more than 2 mm
Elongation at	>600 %	>600 %
Water Penetration(BS EN 12390	68
Carbon Dioxide Diffusion		Nil

ADVANTAGES

- Waterproof, weatherproof, excellent UV resistance.
- High build coating helps mask surface imperfections in concrete.
- Vapor permeable membrane, allows breathing of the substrate.
- Excellent bond strength.
- Seamless & flexible for bridging hairline cracks.
- Solar reflective.
- Single component. easy to apply (D I Y- do it yourself) by brush, roller or airless spray.

DIRECTIONS FOR USE

Surface Preparation: Ensure that surfaces are clean, sound, stable and free of dirt, dust, grease and any other contaminants. Remove any traces of algae and fungal growth with a wire brush, treat with a fungicide solution and wash down with clean water. Old concrete may require grit blasting to remove old coatings or membranes

New concrete can be coated once the initial water-curing period is over.

Watch point: Do not apply Waterproof WF when rain is likely as full resistance is only achieved in the fully cured state.

APPLICATION

Apply Waterproof WF onto the surface in one direction taking care not to scrub the material or brush unevenly. Allow to dry and inspect for imperfections that should be made good prior to application of second or any subsequent coats. Apply second (and any subsequent coats) at right angles to the previous coats. The product can be supplied in many colors to allow easier differentiation between coats.

At up stands and across joints it is recommended that a glass fiber mesh be imbedded in the coating. This will increase the physical properties and will aid distribution of localized stresses. The mesh should be applied as a sandwich between the first and second coats of **Waterproof WF**

Across joints it is recommended to bridge the joint and to install a closed cell polyethylene strip.

Cleaning Tools: Wash tools in water immediately after use. If product has set, remove with a knife and immerse in water.

COVERAGE

Waterproof WF consumption will be 1-1.5 m²/ liter. For 1.5 m D.F.T. a coverage rate of 2 liter/ m² would be required.

PACKAGING & STORAGE

Waterproof WF- EX4200 is available in 20Kg & 5 kg (EX4250) buckets and also in white and grey colors.

Store in cool dry shaded warehouses

With normal room temperature.

PRODUCT LIFE:

Shelf life will be 6 months from the manufacturing date.

HEALTH & SAFETY

As with all Ultra BOND construction chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

Other Waterproofing Products available from *Ultra BOND*

Waterproof

EX4100 - composed of high quality acrylic emulsion polymer for waterproofing and plugging system.

EX4000

– Reinforced Elastomeric Waterproofing for internal and recommended with glass fiber mesh for better results.

EX2000

– Two component cementitious Acrylic water proofing (with crack-bridging 2 mm), balconies, terraces, basins, swimming and wet areas.