



AQUA FLEX W9



DIRECTION FOR USE

SURFACE PREPARATION



The object of the surface preparation is to achieve a clean sound surface with a good mechanical key. All substrates should be cleaned and free of dust, plaster, oil, paint, grease, and any other deleterious substances. Laitance should be removed by mechanical means. Masonry surfaces should be fully cured (minimum 28 days) prior to

application. Concrete substrates should be cured 28 days before 2 k waterproofing. Any edges must be rounded. Form coves with regular site-mixed mortar and round to a minimum radius of 1 1/2" (38 mm). Damaged or crack surface should be repaired by crack filling mortar.

MIXING



AQUA FLEX W9 Waterproofing is supplied in precisely proportioned units ready for mixing,

1. Shake the liquid component. Transfer the entire quantity of liquid part A to a clean vessel. Aqua flex waterproofing shall be mixed with a low-speed stirrer (<500 RPM).

2. Start adding powder part B to liquid part A into a vessel. Mix till smooth & homogeneous slurry without any lumps. Mix thoroughly for at least 3-4 minutes to the required consistency.

APPLICATION

1. The surface must be dry & dampened (with no standing water). 2. AQUA FLEX W9 Waterproofing is applied on the positive side of the substrate. 3. Start applying the first coat of slurry with a stiff brush of 120-150 mm or broom, roller or flat trowel, maintaining the thickness of 1 mm. if required, embed with a fibreglass mesh. When the material is sticky, use a trowel to work the material up and trough the mesh until it is completely embedded. 4. Allow the 1st coat to dry for 4-6 hours. 5. Start applying the 2nd coat. The two-coat thickness should be a minimum of 2 mm. 6. 2nd coat should always be applied in the opposite direction to the 1st coat. 7. If the areas subjected to heavy hydrostatic pressure, apply another coat. 8. The product applied area should be protected from direct sunlight & to be damp cured by covering with damp hessian. After that, it should be protected by the overlapping of the screed.

PRECAUTION & LIMITATIONS

- Do not add water at the site.
- Mix the entire material at once.
- Do not flood or overexpose the treated surface to water until it is completely cured.
- When applying the material, the surface temperature should not be less than 10°C or more than 45°C.
- Allow 14 days of curing before submersion.

AQUA FLEX W9 is a two-component highly elastomeric cementitious flexible waterproofing coating composed of high-grade Portland cement, properly selected & graded aggregates, additives & liquid polymers. The product is designed for Waterproof Structures like Swimming Pools, Bathrooms, Water Tanks, Basement, Wet areas, Tunnels, Retaining Walls, Pile Heads, Fountain areas, Bridge deck etc. it can be easily applied on the horizontal and vertical situation on curing this heavy-duty waterproofing component forms an elastomeric waterproof & protective layer to the substrate.

RECOMMENDED APPLICATION SUBSTRATE

- Concrete Surfaces
- Water Tanks
- Masonry Surfaces
- Swimming Pool
- Sunken Portions
- Roofs
- Basements Walls
- Lift Pits
- Bathrooms
- Toilets
- Balconies
- Podium
- Parking Decks
- Terraces

BENEFITS & KEY FEATURES

- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Allows water vapour to escape from the structure.
- Waterproof-suitable for water retaining structures.
- High resistance to the effect of long-term weathering.
- Durable in all climate conditions including UV attack.
- Non-toxic - ideal for potable water tanks.
- Flexible, with thermal expansion similar to concrete.
- Excellent bond to concrete and masonry.
- Good crack accommodation capacity.
- Breathable. Allows interior moisture vapour to escape

TECHNICAL SPECIFICATION

Elongation % ASTM D412	Up to 140%
Adhesive Pull Off strength ASTM D4541	>2N/mm ²
Water Permeability - Positive Pressure ASTM 1048 - Negative Pressure ASTM 1048	Up to 7 bar Up to 6 bar
Crack Bridging ASTM 836	Up to 2 mm
Pot life	30 min Approx
Liquid Powder Ratio	30 to 35 % by weight

PACKAGING	Combo Pack (A+B): 5, 15, 60 kg FORM : Comp (A) Liquid & Comp (B) Powder, COLOUR : Grey	COVERAGE	• Approx 100-120 sqft @ 2 coats (1 to 2mm dft thickness) per 15 kg box • 8 sq. Ft/ kg mix.	SHELF LIFE	12 months from date of packing. It must be seal pack & stored under proper condition. Store in a cool & dry place, keep away from direct sunlight.
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