



DuraCoat
ASK THE EXPERTS

AquaTech Rainshield

AquaTech Rainshield is a single component, elastomeric, acrylic waterproofing and protective coating. AquaTech Rainshield upon curing forms a tough, flexible and durable coating which is resistant to UV. AquaTech Rainshield creates an excellent seamless waterproofing coating that would seal and waterproof any exterior or interior area in addition to protect exposed concrete structures against carbonation and chloride ion diffusion. After setting, the product offers good waterproofing and weatherproofing properties. The elongation property of Rainshield resists the surfacing of any cracks emanating from substrate.

Application areas:

- Roofs / Terraces – Flat & Slope,
- Over existing cementitious waterproofing treatments like Tiles, concrete screeds, acrylic coatings
- All types of exterior masonry surfaces/walls, concrete, cement sand renderings, etc.

Features:

- Single component, easy to apply
- Excellent UV resistance, hence protective screed is not required
- Can be used for interior and exterior applications
- Elastomeric- high crack bridging capability
- Non-toxic, water-based, low VOC
- Excellent bonding to most substrates
- Excellent breath-ability
- Excellent Water Resistance
- Protects exposed concrete structures against carbonation
- Environmentally friendly
- Low Odour

Technical Data:

| Properties | | Test Method | Results |
|--|---------------|--------------------|--------------------------|
| Color | | | White and limited colors |
| Tensile Strength | | ASTM D412-16 | >1.5 N/mm ² |
| Crack Bridging Ability | | ASTM C836/C836M-18 | 3 mm |
| Elongation | | ASTM D412-16 | 250-300% |
| Water Swell Resistance | Mass Change | ASTM D471-16a | 0.39% |
| | Volume change | | 0.45% |
| Reduction in Chloride ion penetration | | ASTM C1202-19 | 95.6% |
| Water Penetration Depth (maximum) After 7 days @ 5 bar pressure | | BS EN 12390-8 | Nil |

Packaging:

1 ltr, 4 ltrs and 20 ltrs

Application Methodology:

Surface Preparation:

Roof/Terrace

- Prepare the surface by cleaning, washing, removing dust, dirt, any oil, grease or loose particles.
- For existing terraces, the substrate must be strong. Damaged areas must be repaired with a polymer-modified mortar using AquaTech Bondlatex 503.
- APP or any other Bitumen based waterproofing treatments must be completely removed by mechanical means.



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External walls/surfaces

- All new cement-sand renderings /concrete surfaces should be allowed to age 6 weeks before surface coating.
- Surface for treatment must be thoroughly cleaned by mechanical means such as wire brush.

Application:

Application Procedure for Roof

- Apply one coat of AquaTech Rainshield (diluted with water upto 50%) at the rate of 8 to 9 sq.mtr /ltr.
- Allow it to dry for 3-4 hours.
- Apply the first coat of undiluted AquaTech Rainshield at the rate of 2 to 2.3 sq.mtr / ltr / coat and allow it to dry before the second coat, the rate of application being the same.
- Minimum drying time between coats will be 4 to 6 hours.
- Allow the system to air cure for 7 days.
- For Additional protection use Fibre mesh (40 gsm) after 1st coat of undiluted AquaTech Rainshield for additional re-enforcement or apply 3rd coat.

Application Procedure for Walls

- Apply one coat of AquaTech Rainshield (diluted with water upto 50%) at the rate of 8 to 9 sq.mtr/ltr
- Allow it to dry for 2-3 hours.
- Apply 1 coat of AquaTech Rainshield (diluted with water upto 5%) at the rate of 4 sq.mtr/ltr/coat.
- Apply 2 coats of AquaTech Rainshield (diluted with water upto 10%) at the rate of 3.5 sq.mtr/ltr/2 coats.

Precautions:

- Avoid application during rains.
- The product is designed for light foot traffic only and not meant for vehicular traffic.
- All parapet walls should be covered with AquaTech Rainshield.
- All wall to floor joints must be provided with proper angle fillets prepared with polymer modified mortar using AquaTech Bondlatex 503. (5 ltr Aquatech Bondlatex +15 ltr Water:50 kg Cement + 150 kg Sand).
- All dilutions should be as recommended only.
- Apply as per recommended coverage in sq. mtr. Area.
- Ensure proper surface preparation.
- Diluted material to be consume on the same day.
- It is nontoxic, and non-flammable.
- Ensure good ventilation during application and drying.
- Store in a cool dry place in well ventilated location and away from the source of ignition and fire.
- Avoid eye and skin contact. In case of eye and skin contact, wash with plenty of clean water. If symptoms persist seek medical advice.
- Do not inhale or inject. In case of inhalation move to fresh air. Seek medical attention if symptoms persist in both the cases.
- Use appropriate personal protective equipment.

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

Refer to MSDS for additional health and safety information

Disclaimer

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by Basco Products (K) Ltd. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Basco Products (K) Ltd. representative to obtain the most recent Product Data Information

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