Technical Data Sheet

ElastoBond WB

Water-Based Elastomeric Bonding Primer for Waterproofing Systems

Product Description

ElastoBond WB is a premium quality, single-component, water-based elastomeric primer designed to improve the adhesion of water-based waterproofing coatings to a wide range of porous and non-porous substrates. The product penetrates and seals the substrate surface while creating a flexible bonding bridge that enhances the performance and durability of subsequent waterproofing layers.

Relevant Standard

TS EN 1504-2

Application Areas

- *As primer under acrylic waterproofing membranes.*
- *Primer for elastomeric waterproof coatings*
- *Primer for roof waterproofing systems*
- *Cementitious substrates*
- *Concrete roofs and terraces*
- *Screeds and mortar surfaces*
- *Fiber-cement boards*
- *Existing sound waterproofing coatings*
- *Exterior walls and facades*
- *Parapets and balconies*

Properties

- Excellent adhesion promotion
- Elastomeric and flexible film formation
- Water-based and environmentally friendly
- Easy application by roller, brush, or spray
- Low VOC content
- Fast drying
- Good substrate penetration
- Reduces substrate porosity
- Improves waterproofing membrane performance
- Suitable for interior and exterior use
- Alkali-resistant
- Ready for use

TECHNICAL PROPERTIES

Appearance/Color	Milky White Liquid
Resin Type:	Elastomeric Acrylic Dispersion
Density:	1.02 ± 0.03 kg/L
Volume solids %:	40 ±2 %
Viscosity @ 25°C:	1,500 - 3,000 cP
pH Value:	8.0 - 9.5
Theoretical spreading rate:	8 m^2/ltr (8 m^2/kg) for 50-micron DFT
Recommended DFT:	40 -50 micron
VOC Content:	< 50 g/L

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Adhesion to Concrete:	> 1.5 MPa
Water Resistance:	Excellent
Alkali Resistance:	Excellent
Flexibility:	Excellent
Weather Resistance:	Excellent
Compatibility with Water-Based Membranes:	Excellent
Surface dry:	30 - 60 Minutes (23°C/73.4°F 50% R.H.)
Recoating time:	2 -4 hours (23°C and 50% R.H.)
Full dry:	24 hours (23°C and 50 % R.H.)
Application temperature:	+5 °C/50° F and +35 °C/ 95°F
Service Temperature:	10°C to +80°C

Application Details

Application method:	Brush / Roll / Airless Spray
Thinner:	Fresh water
Thinner Amount:	Do Not thin the product

Surface Preparation:

All surfaces must be

- Sound and structurally stable.
- Dry or slightly damp.
- Free from dust, dirt, grease, oil, laitance, algae, and loose particles.
- Free from curing compounds and contaminants that may impair adhesion.
- Concrete substrates should be prepared by suitable mechanical methods such as grinding, shot blasting, or high-pressure water cleaning where necessary.

PRECEDING COAT:

None

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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