Technical Data Sheet

Top Proof BTS 2000

Solvent-Based UV Resistant Bituminous Waterproofing Coating

Product Description

TOP PROOF BTS 2000 is a premium-grade, solvent-based bituminous waterproofing coating modified with special UV-resistant additives. It is designed to form a seamless, flexible, and durable waterproof membrane that provides excellent protection against water penetration, weathering, atmospheric agents, and ultraviolet radiation.

The cured coating exhibits strong adhesion to concrete, masonry, metal, and other construction substrates, making it suitable for both below-grade and exposed waterproofing applications.

STANDARDS & COMPLIANCE

TOP PROOF BTS 2000 is manufactured and quality-controlled in accordance with: EN 1504-2
Products and systems for the protection and repair of concrete structures.
Surface Protection Systems for Concrete.: EN 15814
Polymer Modified Bituminous Thick Coatings (PMBC) for waterproofing of structures below ground level.

Product uses:

- Roof waterproofing
- Foundation walls
- Basements
- Retaining walls
- Concrete structures
- Metal roofs
- Underground structures
- Wet areas
- Planters
- Bridge abutments
- Exposed bituminous waterproofing applications requiring UV resistance

Properties

- ✓ Excellent waterproofing performance
- ✓ Enhanced UV resistance
- ✓ High flexibility and crack-bridging capability
- ✓ Excellent adhesion to concrete and metal
- ✓ Seamless membrane formation
- ✓ Resistant to weathering and moisture
- ✓ Easy brush, roller, or spray application
- ✓ Good durability and long service life
- ✓ Ready for use

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TECHNICAL PROPERTIES

Appearance/Color	Semi-Gloss\ Smooth Black Liquid
Chemical structure:	Modified Bitumen
volume solids:	65 ± 3 %
Density:	0.95 ± 0.05 kg/liter
Theoretical Spreading Rate:	2.16 m²/ltr (2.28 m²/kg) (300 micron)
Viscosity:	10,000 – 20,000 cP
Recommended DFT:	300 - 500 Microns
(Dry Film thickness)	For Heavy duty waterproofing it recommended to make 1000-2000 micron
Elongation at Break:	≥ 300 %
Tensile Strength:	≥ 1.0 MPa
Crack Bridging Ability:	≥ 2.0 mm
Adhesion to Concrete:	≥ 1.0 MPa
Water Impermeability:	Pass
UV Resistance:	Excellent
VOC Content:	< 350 g/L
Flash Point:	> 40°C
Touch Dry:	2 - 4 Hours (23°C and 50% R.H.)
Recoating time:	8 - 12 Hours (23°C and 50% R.H.)
Full dry:	7 Days (23°C and 50 % R.H.)
Application Temperature:	+5°C to +40°C
Service Temperature:	-20°C to +80°C
Relative Humidity:	< 85%

Application Details

Application method:	Brush / Roller / Airless Spray
Thinner:	Do not thin the product
Thinner Amount:	Do Not Thin the product

Surface Preparation:

The substrate must be:

- Clean and dry.
- Free from dust, dirt, grease, oil and curing compounds.
- Structurally sound.
- Free from loose or deteriorated materials.
- Concrete surfaces should be properly cured before application.

APPLICATION

Stir TOP PROOF BTS 2000 thoroughly before use. Apply the first coat by brush, roller, or airless spray. Allow sufficient drying time. Apply additional coats to achieve the required dry film thickness. Reinforcement fabric may be embedded between coats at critical details and movement joints.

PRECEDING COAT:
Poly Clear PU 080 or apply the product directly
Application:

- Stir material thoroughly before use.
- Apply in two coats for optimal performance.
- Allow sufficient drying time between coats.
- Do not apply under rain or high humidity conditions.

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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