

Sealants Adhesives & Chemicals to Filler Board

ELASTIC BITUMEN EXTENDED, TWO COMPONENT POLYURETHANE MEMBRANE



PRODUCT DESCRIPTION

Is a fast-curing, liquid-applied, highly permanent elastic, cold applied and cold curing, bitumen extended, two component polyurethane membrane used for long-lasting waterproofing. Solvent based. It is based on pure elastomeric hydrophobic polyurethane resins, and is extended with chemically polymerized virgin bitumen, which result in excellent mechanical, chemical, thermal and natural element resistance properties.

USES

- Waterproofing of Foundations
- Waterproofing of Retaining Walls Under-tile
- Waterproofing in Bathrooms, Terraces, Roofs, etc
- Waterproofing of Roofs with inverted insulation
- Waterproofing of Asphalt- and Bitumen-felts, EDPM membranes, etc

Also used as a joint sealant for horizontal low movement joints and control joints.

COLORS

Black

ADVANTAGES

- Simple application.
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Fast curing.
- Thick, bubble-free membrane possible.
- Provides excellent crack-bridging properties.
- Good water vapor blocking properties.
- Provides excellent thermal resistance, it never turns soft.
- Maintains its mechanical properties over a temperature span of -30oC to +90oC.
- Provides excellent adhesion to almost any type of surface.
- The waterproofed surface can be walked on.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes.
- Does not need the use of open flames (torch) during application.
- Components easy mixing ratio, 1:1 by volume.

TECHNICAL DATA *

| PROPERTY | RESULTS | TEST METHOD |
|---|--|--------------------------|
| Elongation at Break | > 2400 % | ASTM D 412 / DIN 52455 |
| Tensile Strength | > 2 N/ mm | ASTM D 412 / DIN 52455 |
| E-Modulus | ~1,0 N/ mm | ASTM D 412 / DIN 52455 |
| Tear Resistance | 20 N/ mm | ASTM D 624 |
| Puncture Resistance | 290 N | ASTM E 154 |
| Resistance to Hydrostatic pressure | No Leak @ 3 bar (30 m water column) | DIN 16726 |
| Adhesion to concrete | 1,1 N/mm | ASTM D 903 |
| Hardness (Shore A Scale) | 30 | ASTM D 15 (2240") |
| Thermal Resistance (∆°C for 100 days) | Passed - No significant changes | EOTA TR-011 |
| Hydrolysis (% KOH, 7days cycle) | No significant elastomeric change | Inhouse Lab |
| Service Temperature | -30°C to 90+°C | Inhouse Lab |
| Max. Temperature short time (10min shock) | 200°C | Inhouse Lab |
| Pot-Life | 30-35 min | Conditions: 20°C, 75% RH |
| Tack Free Time | 2-4 hours | |
| Light Pedestrian Traffic Time | 18-24 hours | |
| Final Curing time | 7 days | |
| Chemical Properties | Good resistance against acidic and alkali solutions (5%), detergents, seawater and oils. | |

LOCATION

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