



Sealex

Waterproofing Systems, Sealers & Sealants

Polyflame Torch on membrane

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DESCRIPTION

SEALEX POLYFLAME is a superior, high performance, prefabricated, modified bitumen membrane consisting of proprietary waterproofing compound, reinforced with spun bonded non-woven polyester mat.

The SEALEX POLYFLAME proprietary waterproofing compound is formulated with select bitumen modified with Attactic Polypropylene (APP) for greater elasticity, flexibility, and further enhanced with a blend of Thermoplastic Polymer (TP) and Elastoplastic Copolymer (EPC) for high heat resistance, greater elongation and low temperature flexibility. The compound is then stabilized with opaque Mineral Stabilizers (MS) for impact resistance, UV resistance and durability.

This superior waterproofing compound is reinforced with a robust, isotropic, spunbonded, non-woven polyester mat for increased strength, toughness and dimensional stability. The proprietary compound, the unique reinforcement, combined with the famous SEALEX process technology and rigid quality assurance procedures, yield the most reliable and dependable waterproofing membrane.

USES

SEALEX POLYFLAME is a universal, all purpose membrane, excellent in a single layer or multi layer roofing systems, underground waterproofing, multi-story car parks, pond lining, irrigation canals lining, swimming pools or any structure that requires high performance waterproofing.

OUTSTANDING FEATURES

- Total impermeability for total waterproofing.
- Excellent resistance to aging and weathering.
- Outstanding bondability and seam integrity.
- Flexibility at low temperature.
- Stability at high temperature.
- Very high resistance to impact & puncture.
- Application friendly (labour cost savings)
- Variety of finishes for exposed and covered applications.
- High tensile strength and tear resistance.
- Excellent for mechanical anchorage.
- Isotropic properties.

GENERAL DATA

Nominal Roll length : 10 Mt.
Nominal Roll width : 1 Mt.
Nominal Thickness : 3, 4, 5, MM
Reinforcement

Robust, isotropic, spunbonded non-woven polyester core, 200/180 gms/m² depending on thickness. Other weights available on request.

FINISHES

SEALEX POLYFLAME is available in three basic finishes:

- Black smooth finish with polyethylene surfaces for covered applications.
- Granule surfacing for exposed applications.
- Fine sanded upper surface for coated systems.

QUALITY CONTROL

In addition to stringent regular tests by SEALEX, our products are tested periodically by Independent Laboratories.

STANDARDS

SEALEX POLYFLAME complies with the performance requirements and tolerance levels of the listed standards. Some of which are modified to better suit the various climatic conditions around the world.

1. American Society for Testing and Materials, ASTM D-6222 Type II.
2. European Union of Technical Agreement (UEAtc)
3. Canadian General Standard Board (CGSB37-GP 56M - July 1980).
4. German Standard DIN 52133.

INSTALLATION TOOLS REQUIRED:

Gas torch, Knife, Trowel, Measuring tape, Marking string, Gloves.

APPLICATION

SEALEX POLYFLAME is installed by torch welding method, loose-laid or fully bonded to substrate. When loose-laid, only overlaps are bonded together. Peripheres, protrusions and other flashing details are installed according to specifications.

COVERAGE RATE (Approx.)

(Rate may vary as per site requirement)

Flat areas : 1.15 M²/M² per layer with 10 cms. side laps and 15 cms. end laps.

Base flashing : 100x35 cms. with 15 cm. end laps, 0.40 M²/linear M

Average wastage : 3 - 5 %

TORCHING GUIDELINES

The underside of the membrane should be torched just enough to superficially melt the bitumen. Excessive heating may damage the reinforcement. Overlaps should be re-heated from the top and resealed with a trowel to ensure seam integrity.

For details of installation methods and flashing requirements, consult the relevant SEALEX Systems Design and Installation Manual.

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