

GENERAL DESCRIPTION

IZOGREENLAND is a high performance multi-ply pre-fabricated torch applied SBS modified bituminous membrane, reinforced with non-woven polyester and top surface finished with polyethylene film or fine sand.

Izomaks waterproofing compound is formulated by Blended with selective grade of bitumen modified with styrene butadiene styrene (SBS) polymer that provide an Elastomeric property, when combined with its polyester reinforcement, it confers high tensile strength, elongation and tear resistance. It has excellent dimensional stability and low cold flexibility up to -5°C.

The SBS bitumen compound is blended with high quality anti-root additives.

APPLICATION AREAS

IZOGREENLAND is ideal for specific types of waterproofing areas, such as:

- Waterproofing of garden terraces
- Waterproofing of flower boxes
- Waterproofing of esplanade with different types of plantations

FEATURES

- Anti-root property preventing roots from puncturing the membrane
- Torch applied quick melt easy to use.
- High performance even in cold weather.
- High tensile, elongation and tear strength.
- Excellent adhesion strength when used with **PRIMER D-41**
- High impact and puncture resistance.
- Resists attack from salt and alkalis.

QUALITY CONTROL

IZOMAKS INDUSTRIES L.L.C. Manufacturing facility is controlled by highly qualified technical team and certified QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015.

TOOLS REQUIRED

Gas torch, Gas cylinder, measuring tape, trowel, knife, marking string etc.

APPLICATION METHOD

SURFACE PREPARATION

All surface imperfections and protrusions are to be removed and repaired. Final surface must be clean, dry, free from dust, oil and grease, laitance or other

contaminations. The surface should be sound with no cracks and loose particles.

SURFACE PRIMING

The entire surface must be primed by solvent based bituminous primer in compliance with ASTM D-41 **PRIMER D-41**

APPLICATION LIMITATION

- Use smooth and flat safety shoes and other required safety tools.
- Do not install on moist surfaces and rainy weather.
- Avoid overheating.
- Avoid stepping / walking over hot applied membrane.

INSTALLATION METHOD

IZOGREENLAND is recommended to be installed in multi layers.

- Unroll **IZOGREENLAND** membrane in a straight line ensuring side laps of minimum 10cm and end laps of 15cm, then re-roll keeping rolls aligned.
- Make sure that the heat will melt only the PE films and asphalt compound is sufficiently softened.
- Ensure that melted bitumen is clearly overflowing the side and end lap.
- The entire corners, pipes, beams and columns section should be waterproofed by cut and fit methods prior to the installation of the general surface.
- The mineral surfaces should be used for exposed areas either horizontal or vertical surfaces.

PACKAGING

IZOGREENLAND is manufactured under standard size and rolls are palletized and covered with a shrink-wrapped.

STORAGE AND HANDLING

- Keep the material in dry, cool ventilated and shaded areas for not more than 12 months.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

AVAILABLE SIZES

Thickness ± 0.2mm	Size ± 1%
4mm	1x10meters
5mm	1x8meters

TECHNICAL CHARACTERISTICS

Properties	Typical values		Tolerance	Test method
Reinforcement	180g/m ²	200g/m ²		ASTM D 5147
Cold flexibility	-5°C	-5°C		ASTM D 5147
Maximum tensile force (23 ± 2°C) Longitudinal Transversal	800N/5cm (16KN/m) 600N/5cm (12KN/m)	900N/5cm (18KN/m) 700N/5cm (14KN/m)	± 20% ± 20%	UEAtc 2001 (ASTM D 5147)
Ultimate elongation Longitudinal Transversal	50% 50%	50% 50%	± 15% ± 15%	ASTM D 5147/UEAtc 2001
Shear resistance of joints Longitudinal Transversal	750N/5cm 550N/5cm	850N/5cm 600N/5cm	± 20% ± 20%	UEAtc 2001
Tear strength Longitudinal Transversal	500N 400N	600N 450N	± 20% ± 20%	ASTM D 4073
Softening point (mixture)	150-160°C	150-160°C		ASTM D36
Penetration @25°C (mixture)	15-25dmm	15-25dmm		ASTM D5
Compound stability	No flowing, no drip- ping at 121°C	No flowing, no drip- ping at 121°C		ASTM D 5147
Puncture resistance To Static load To impact	L20 I15	L25 I10		UEAtc 2001 UEAtc 2001
Resistance to puncture	800N	1100N	± 10%	ASTM E 154
Water absorption	<3.2%	<3.2%		ASTM D 5147
Water absorption @ 23±2°C at 24hrs	<1%	<1%		ASTM D 5147
Root Resistance	Excellent			

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

The above shown technical data are results obtained in laboratory and extra data can be provided upon request.

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