

GENERAL DESCRIPTION

IZOPOLYONE FG is a high performance multi-ply pre-fabricated torch applied APP modified bituminous membrane, reinforced with Fiber Glass and top surface finished with polyethylene film. Izomaks waterproofing compound is formulated by Blended with selective grade of bitumen modified with attactic polypropylene (APP) polymers that provide an Elasto-plastomeric property, when combined with its Fiberglass reinforcement, it confers good dimensional stability and moderate to low cold flexibility

APPLICATION AREAS

IZOPOLYONE FG is ideal for different types of waterproofing areas, such as:

- First layer in a multilayer APP waterproofing system.
- Protection layer in a multi layer waterproofing system of APP membranes.
- Reinforcing angle at corners of parapets and up stands.

FEATURES

- Torch applied quick melt easy to use.
- Excellent adhesion strength when applied with **PRIMER D-41**
- 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

IZOPOLYONE FG is recommended to be installed in multi layers.

- Unroll **IZOPOLYONE FG** 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

IZOPOLYONE FG 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 $\pm 0.2\text{mm}$	Size $\pm 1\%$
1 and 2mm	1x20meters
2.5mm	1x15meters
3 and 4mm	1x10meters

TECHNICAL CHARACTERISTICS

Properties	Typical values	Tolerance	Test method
Reinforcement	Glass Fiber		
Cold flexibility	0 to -2°C		ASTM D 5147
Maximum tensile force (23 ± 2°C) Longitudinal Transversal	300N/5cm (6KN/m) 150N/5cm (3KN/m)	± 20% ± 20%	UEAtc 2001 (ASTM D 5147)
Ultimate elongation Longitudinal Transversal	5-10% 5-10%	± 15% ± 15%	ASTM D 5147/UEAtc 2001
Shear resistance of joints Longitudinal Transversal	300N/5cm 150N/5cm	± 20% ± 20%	UEAtc 2001
Tear strength Longitudinal Transversal	200N 100N	± 20% ± 20%	ASTM D 4073
Softening point (mixture)	150-160°C		ASTM D36
Penetration @25°C (mixture)	15-20dmm		ASTM D5
Compound stability	No flowing, no dripping at 121°C		ASTM D 5147
Puncture resistance To Static load To impact	L10 I25		UEAtc 2001 UEAtc 2001
Resistance to puncture	170N	± 10%	ASTM E 154
Water absorption	<3.2%		ASTM D 5147
Water absorption @ 23±2°C at 24hrs	<1%		ASTM D 5147

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.

The information included on this Technical Data Sheet is the sole property of Saint-Gobain Middle East Holding SAL. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.