VYKOL

VYTPO-GF

Glass Fiber Reinforced Fleece Back TPO Waterproofing Membrane

DESCRIPTION

VYTPO-GF are glass fiber reinforced TPO waterproofing membranes laminated with a nonwoven fleece backing.

The glass fiber reinforcement provides excellent dimensional stability, while the fleece backing improves compatibility with substrates and enhances adhesion performance.

VYTPO-GF membranes combine stable mechanical properties with excellent weldability and are suitable for roofing systems requiring high stability and fleece-backed installation.

BENEFITS

- Excellent dimensional stability
- Reliable waterproofing performance
- Glass fiber reinforcement minimizes shrinkage
- Fleece backing improves substrate compatibility
- Suitable for adhered roofing systems
- Excellent weldability with hot-air welding
- UV and weather resistant

APPLICATIONS

VYTPO-GF membranes are designed for waterproofing applications including:

- Fully adhered roofing systems
- Roof refurbishment projects
- Concrete roof decks
- Roofing systems requiring stable fleece-backed membranes

INSTALLATION

VYTPO-GF membranes are typically installed using:

- Fully adhered systems
- Adhesive bonded systems

Membrane seams are welded using hot-air welding equipment to ensure durable and watertight joints.

Installation should be carried out by trained professionals according to project specifications.

STORAGE & SHELF LIFE

Rolls should be stored in their original packaging in a dry and shaded area.

Avoid exposure to direct sunlight and moisture during storage.

Recommended storage temperature: 5°C – 30°C

Shelf life: 24 months under proper storage conditions

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DIMENSIONS & PACKAGING

Parameter	Value
Thickness (excluding backing non-woven fabric)	1.2 / 1.5 / 1.8 / 2.0 mm
Width	2.0 m
Length	20 m
Color	White / Grey
Packaging	Rolls

TECHNICAL DATA

Property	Value				Test Method
Thickness, mm	1.2	1.5	1.8	2.0	EN 1849-2
Tensile strength (N/5cm)	≥ 600	≥ 600	≥ 600	≥ 600	EN 12311-2
Elongation to break (%)	≥ 100	≥ 100	≥ 100	≥ 100	EN 12311-2
Tear resistance (N)	≥ 220	≥ 220	≥ 220	≥ 220	EN 12310-2
Resistance to impact (mm)	≥ 450	≥ 600	≥ 700	≥ 800	EN 12691
Cold bending (°C)	≤ - 40	≤ - 40	≤ - 40	≤ - 40	EN 495-5
Hydrostatic pressure resistance (6 hours at 0,5 Mpa)	water-proof	water-proof	water-proof	water-proof	EN 1928 met. B
Dimensional stability after 6 hours at 80°C (%)	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	EN 1107-2
Resistance to artificial weathering (UV)	no surface cracking	no surface cracking	no surface cracking	no surface cracking	EN 1297
Resistance to static punching (kg)	≥ 20	≥ 20	≥ 20	≥ 20	EN 12730