EVERGLASS XP 4,0kg

Plastomeric bitumen membrane, flexible at -5°

DESCRIPTION

EVERGLASS VFF 4,0 KG waterproofing membrane is a plastomeric bitumen membrane weighing 4.0 kg/m², composed of modified bitumen with a high content of thermoplastic (APP) polymers. It is reinforced with a reinforced glass-fibre tissue and remains flexible at low temperatures down to -5°C. Both surfaces of the membrane are covered with a polyethylene film.

USES

The membrane is used for waterproofing on:

Underground constructions:

- Protection against moisture and waterproofing of basement walls – culverts – waterproofing of technical works

Roofs:

- With final protection or ballast use
- As a base layer beneath other bituminous waterproofing membranes

Applied over:

- Concrete slabs
- Various liquid waterproofing coatings
- Old bitumen membrane layers
- Perlite concrete
- Lightweight concrete / cement screed

***Caution**: Not suitable for use on surfaces permanently exposed to ultraviolet radiation.*

FEATURES / ADVANTAGES

- ✓ Absolute waterproofing
- ✓ Good resistance to low/high temperatures
- ✓ Good resistance to UV radiation
- ✓ Good resistance to acids and bases
- ✓ Excellent dimensional stability
- ✓ Rot resistance

STANDARDS

CE marking and Declaration of Performance according to:

- EN 13707:2004+A2:2009 - Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing – Definitions and characteristics
- EN 13969:2004/A1:2006 - Flexible sheets for waterproofing - Bitumen sheets for waterproofing basements and other areas - Definitions and characteristics

PRODUCT CHARACTERISTICS

Packaging	Roll width: 1m	Roll length: 10m
Appearance :		
Upper coating:	Polyethylene film	
Lower coating:	Polyethylene film	
Weight:	4,0 kg/m² ± 5%	

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TECHNICAL CHARACTERISTICS

PROPERTY	METHOD	VALUE	TOLERANCE
Roll width	EN 1848-1	1 m	(±2%)
Roll length	EN 1848-1	10 m	(±2%)
Membrane weight	EN 1849-1	4,0 kg/m²	(±5%)
Softening point	EN 1427	>150 °C	
Flow resistance at elevated temperature	EN 1110	125 °C	
Cold flexibility	EN 1109	–5 °C	
Tensile strength (L/T)	EN 12311-1	(L) 330 N/5cm (T) 200 N/5cm	(±15%)
Elongation at break (L/T)	EN 12311-1	(L) 2% (T) 2%	(±15%)
Tearing resistance (nail shank) (L/T)	EN 12310-1	(L) 80 N (T) 100 N	(±15%)
Resistance to static loading	EN 12730-A	NPD	
Watertightness	EN 1928	Pass	
Reaction to fire	(EN 13501-1)	F	

BASIC APPLICATION INSTRUCTIONS

SUBSTRATE

The substrate must be properly prepared before applying the membrane. Repair any cracks or holes, remove dust, loose materials, and protrusions to ensure the surface is smooth, clean, and dry.

APPLICATION CONDITIONS

- **Ambient temperature: Min.+5°C / Max. +30°C**
- **Max. relative humidity: 80%**

PRIMING

Recommended primers:

- **STEGANOL:** Dilute 20% with gasoline, consumption 0,4–0,5 l/m² per coat
- **BITUMOL:** Ready to use, consumption 0,3–0,5 l/m² per coat

Refer to each product's technical data sheet.

APPLICATION

Unroll and align the rolls according to the application plan, then re-roll carefully to maintain alignment. Be cautious when unrolling the rolls in low-temperature conditions to avoid damaging the membrane. Unroll slowly, heating the underside with a torch until the bituminous compound begins to melt. Avoid overheating to prevent damage to the reinforcement.

Longitudinal overlaps must be at least 100 mm, and end overlaps at least 150 mm. During torching, ensure a small bead of molten bituminous compound appears along the overlaps. Use a trowel to seal the overlaps well with the molten material.

Ensure the primer is fully dry before installing the membrane.

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ADDITIONAL INFORMATION

STORAGE CONDITIONS

The rolls are placed on wooden pallets and secured with shrink wrap. Store rolls in their original packaging, in a vertical position, in covered, dry areas protected from sunlight, rain, snow, or ice.

Storage conditions: dry environment, temperature between +5°C and +35°C.

Do not stack pallets during transport or storage.

HEALTH AND SAFETY

This product complies with the provisions of Regulation (EC) 1907/2006 (REACH). According to Article 3, the product is defined as an article and is therefore not subject to the requirement of a Safety Data Sheet (SDS) under Article 31 of the Regulation.
No substances >0.1% w/w listed in Annex XIV (substances subject to authorisation) or identified as Substances of Very High Concern (SVHC) are intentionally added during manufacture. Based on current knowledge, such substances are not expected to be present in concentrations >0.1% w/w in the final product, nor are hazardous substances expected to be released under normal use.

The technical data, information, recommendations and instructions provided are based on our long-standing experience and laboratory tests and are intended solely to describe the product and determine its application. However, the end user must verify the suitability of the product for their intended use. Our company guarantees the quality of the product itself but assumes no liability for any damage or loss resulting from improper application or use outside the intended scope and instructions. The company reserves the right to revise this document without prior notice.

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