

# TECHNICAL SHEET

## IZOTEM REFLEX V3

**Waterproofing membrane with a glass fleece reinforcement and with oxidized bitumen**

**Product description** IZOTEM REFLEX V3 is a bitumen waterproofing membrane made from a glass fleece reinforcement that is coated on both sides with oxidized bitumen. The membrane is on the upper side protected by mineral granules and on the bottom side by polymeric sheeting.

**Characteristics of the product** IZOTEM REFLEX V3 meets the demands of the standard EN 13969 for type A. Mineral granules on membrane enables good adhesion of the primary covering installed with cement mortar.

Characteristic	EN Method	Unit	Value
Reinforcement	Glass fleece		
Surface protection	mineral granules / polymeric sheeting		
Length	1848-1	m	≥10
Width	1848-1	m	≥1
Straightness	1848-1	20 mm/10m	pass
Thickness	1849-1	mm	≥ 2,7
Water tightness	1928	kPa	≥ 60
Durability of water tightness against artificial ageing	1296/1928	kPa	≥ 10
Flexibility at low temperature	1109	°C	< 0
Resistance to tearing <ul style="list-style-type: none"> <li>longitudinal</li> <li>transversal</li> </ul>	12310-1	N	> 50 > 50
Shear resistance of joints <ul style="list-style-type: none"> <li>longitudinal</li> <li>transversal</li> </ul>	12317-1	N/50 mm	≥ 300 ≥ 200
Water vapour properties	1931	μ	* NPD
Reaction to fire	13501-1	Class	E
Chemical resistance	1847/13969 Annex A	-	pass
Resistance to static loading	12730/B	kg	> 1
Resistance to impact	12691/A	mm	≥ 300
Tensile properties <ul style="list-style-type: none"> <li>longitudinal</li> <li>transversal</li> </ul>	12311-1	N/50mm	≥ 300 ≥ 200
Elongation <ul style="list-style-type: none"> <li>longitudinal</li> <li>transversal</li> </ul>	12311-1	%/50mm	≥ 2,0 ≥ 2,0
Content of dangerous substances	Annex ZA	/	no

\* NPD – no performance determined

**Use and installation**

**IZOTEM REFLEX V3** is used as additional protection against moisture in the system of pitched-slope roofs under Spanish tile roofs on a concrete base. The membrane is installed by torching with a 10 cm overlapping.

**Storage**

The rolls must be stored in an upright position, protected against dampness and extreme temperatures. In winter it is recommended to store the rolls before installation for 24 hours at a temperature of over + 5°C.

**Disposal  
considerations of  
waste**

For the removal of waste of product, it is necessary to follow the valid local environmental regulations.  
Waste classification: 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.



The product is in conformity with **EN 13969:2004** and **EN 13969:2004/A1:2006 type A**.

The system of quality and handling of the environment is conforming with EN ISO 9001 and EN ISO 14001.