

# IZOTEM

## waterproofing membrane

## Compound

### APP

## Flexibility

### -5°C

**Product**

IZOTEM P & IZOTEM REFLEX P are waterproofing membranes made from a polyester fleece reinforcement, that is coated on both sides with plastomer (APP) modified bitumen. IZOTEM P is protected on both sides by polymeric sheeting. IZOTEM REFLEX P is on the upper side protected by mineral granules and on the bottom side by polymeric sheeting. Mineral granules protect it against ageing and UV-light.

**description:**
**Characteristics of**
**the product:**

IZOTEM P & IZOTEM REFLEX P meets the demands of the standards EN 13969 Type A.

The mechanical characteristics of the polyester fleece give the product high resistance against penetration and tearing.

Characteristic	EN Method	Unit	IZOTEM	
			P	REFLEX P
Reinforcement			polyester	
Length	1848-1	m	≥ 10	
Width	1848-1	m	≥ 1	
Straightness	1848-1	20 mm/10m	pass	
Mass per unit area	1849-1	kg/m <sup>2</sup>	4/5	4/4.5/5/5.5
Water tightness	1928/2000	kPa	≥ 60	
Flexibility at low temperature				
• surface	1109	°C	≤ -5	
• bottom				
Flow resistance at elevated temperature	1110	°C	≥ 100	
Resistance to tearing				
• longitudinal	12310-1	N	≥ 150	
• transversal			≥ 150	
Shear resistance to joints				
• longitudinal	12317-1	N/50 mm	≥ 500	
• transversal			≥ 350	
Dimensional stability				
• longitudinal	1107	%	≤ 10.6l	
• transversal			≤ 10.6l	
Water vapour properties	1931	μ	20000	
External fire performance	13501-5	class	F <sub>ROOF</sub> ( t1)	
Reaction to fire	13501-1	class	E	
Chemical resistance	1847/13969 Annex A	-	pass	
Resistance to static loading	12730	kg	≥ 20	
Resistance to impact	12691/A	mm	≥ 800	
Tensile strength				
• longitudinal	12311-1	N/50mm	≥ 500	
• transversal			≥ 350	
Elongation				
• longitudinal	12311-1	%	≥ 30	
• transversal			≥ 30	
Flexibility at low temperature against artificial ageing by long term exposure to elevated temperature ((12 weeks at 70°C)	1296/1109	°C	≤ -5	
Flow resistance at elevated temperature against artificial ageing by long term exposure to elevated temperature ((12 weeks at 70°C)	1296/1110	°C	≥ 90	
Adhesion of granules	12039	%	NPD	≤ 10
Content of hazardous substances	Annex ZA	/	Does not contain	

**Use and installation:**

IZOTEM P & IZOTEM REFLEX P, is used regarding the demands of the EN standards for less demanding one or more layered waterproofings of vertical or horizontal underground parts of objects, i.e. the resistance to ponding water. It can also be used as secondary roofing in systems of inclined roofs. The membrane is installed by torch or by gluing with 10cm overlaps.

**Storage and transport:**

The rolls have to be store 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 consideration**

The carrier is responsible for the correct transport.

**of waste:**

For the removal of waste of product it is necessary to follow the valid local environmental regulations.



Number EC certificate of control of quality: 1404 – CPR – 2323.

The system of quality is conform with EN ISO 9001 .