

TECHNICAL SHEET

KONDORIN REFLEX P 4.5kg

Waterproofing membrane with a polyester fleece carrier

Product description: **KONDORIN REFLEX P 4.5kg** is a waterproofing membrane made from a polyester fleece reinforcement, that is coated on both sides with bitumen. The membrane is on the upper side protected by mineral granules and on the bottom side by polymeric sheeting.

Characteristics of the product: **KONDORIN REFLEX P 4.5kg** meets the demands of the standard EN 13969 Type A.

Characteristic	EN Method	Unit	Declaration EN EN13969:2004 and EN 13969:2004/A1:2006
Reinforcement	polyester fleece		
Surface protection	mineral granules / polymeric sheeting		
Length	1848-1	m	≥ 10
Width	1848-1	m	≥ 1
Straightness	1848-1	20mm/10m	pass
Mass per unit area	1849-1	kg/m ²	≥ 4.5
Watertightness	1928/2000	kPa	≥ 60
Durability of water tightness against artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C)	1296/1928	kPa	≥ 10
Flexibility at low temperature	1109	°C	< 0
Flow resistance at elevated temperature	1110	°C	≥ 100
Resistance to tearing - longitudinal - transversal	12310-01	N	≥ 150 ≥ 150
Shear resistance to joints - longitudinal - transversal	12317-1	N	≥ 600 ≥ 350
Dimensional stability - longitudinal - transversal	1107-1	%	NPD NPD
Water vapor transmission properties, Sd	1931	μ	NPD
External fire performance	13501-5	class	F _{ROOF} (t1)
Reaction to fire	13501-1	class	E
Chemical resistance	1847/13969 Annex A	-	pass
Resistance to static loading	12730/B	kg	≥ 10
Resistance to impact	12691/A	mm	≥ 1000
Tensile strength - longitudinal - transversal	12311-1	N/50mm	≥ 600 ≥ 350
Elongation - longitudinal - transversal	12311-1	%	≥ 30 ≥ 30
Content of hazardous substances	Annex ZA	/	does not contain

**Instruction for use
and installation:**

KONDORIN REFLEX P 4.5kg , is used regarding the demands of the standards for less demanding two or more layered waterproofings of vertical or horizontal underground parts of objects, i.e, the resistance to ponding water. It also can be used as secondary roofing in systems of inclined roofs. The membrane is installed by torch or by gluing with 10cm overlaps, which must be waterproof.

**Storage and
transport:**

The rolls have to 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.

The carrier is responsible for the correct transport.

**Disposal
considerations of
waste:**

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

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



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

The system of quality is conform with **EN ISO 9001** .