

TECHNICAL SHEET

PERGAMIN

Bitumen sheet with cardboard reinforcement

Product description PERGAMIN is made of cardboard reinforcement, completely impregnated with bitumen.

Characteristics of the product PERGAMIN meets the demands of the standard EN 13859-1 type W1.

Characteristic	EN Method	Unit	Value
Reinforcement	Cardboard		
Surface protection	without		
Length	1848-1	m	≥ 20
Width	1848-1	m	0,995 to 1,015
Thickness	1848-1	mm	≥ 0,5
Mass per unit area	1849-1	kg/m ²	≥ 0,5
Straightness	1848-1	30mm/10m	pass
Resistance to water penetration	1928	class	W1
Resistance to water penetration after artificial ageing by long term exposure to elevated temperature (12 weeks at 70 °C)	1296/1928	class	W1
Flexibility at low temperature	1109	°C	≤ +4
Resistance to tearing <ul style="list-style-type: none"> longitudinal transversal 	12310-1	N	≥ 20 ≥ 20
Dimensional stability <ul style="list-style-type: none"> longitudinal transversal 	1107-1	%	≤ 0,6 ≤ 0,6
Water vapor transmission properties	1931	m	< 2
Reaction to fire	13501-1	class	F
Chemical resistance	1847/13969 Annex A	/	pass
Tensile properties <ul style="list-style-type: none"> longitudinal transversal 	12311-1	N/50mm	≥ 250 ≥ 150
Tensile properties after artificial ageing by long term exposure to elevated temperature (12 weeks at 70°C) <ul style="list-style-type: none"> longitudinal transversal 	12311-1	N/50mm	≥ 200 ≥ 100
Elongation <ul style="list-style-type: none"> longitudinal transversal 	12311-1	%/50mm	≥ 1,0 ≥ 1,0
Elongation after artificial ageing by long term exposure to elevated Temperature (12 weeks at 70°C) <ul style="list-style-type: none"> longitudinal transversal 	12311-1	%/50mm	≥ 1,0 ≥ 1,0
Content of dangerous substances	Annex ZA	/	no

* NPD – no performance determined

Use and installation

PERGAMIN is used as underlay in systems of pitch roofs, or as temporary protection against dampness. The product is mechanically installed on boarded surfaces with 10 cm overlaps. The product is not resistant against weather influences; therefore, it is necessary to protect it with the primary roofing as quick as possible.

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 13859-1:2010 type W1**.

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