



PRODUCT DATA SHEET

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Bituminous Waterproofing Membranes Co.
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POLİROOF PR 4500 M

TS EN 13707

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PRODUCT DESCRIPTION	Polimeric modified bituminous waterproofing membrane.			
USAGE	Used as top layer to waterproof terraces and roofs.			
APPLICATION METHOD	Torched. Please refer to application booklet.			
TOP SURFACE	Mineral			
BOTTOM SURFACE	Polyethylene Film			
COATING TYPE	Polyester			
STORAGE	Rolls to be stored upright and away from heat.			
ECOLOGICAL DATA	Can be used in natural atmosphere			
TEST	METHOD	UNIT	TOLERANCE	VALUES
Visible defects	TS EN 1850-1	-	-	NONE
Length	TS EN 1848-1	m	-0,03	10
Width	TS EN 1848-1	m	-0,02	1
Straightness	TS EN 1848-1	-	-	PASS
Thickness	TS EN 1849-1	mm	±0,2	3,3
Watertightness	TS EN 1928 (method A 10kPa)	-	-	PASS
	TS EN 1928 (method B 60kPa)	-	-	PASS
Reaction to fire	TS EN 13501-1	class	-	E
External Fire Performance	TS ENV 1187 TS EN 13501-5	class	-	Broof
Shear resistance of joint	TS EN 12317-1	N/50mm	±30%	450
Water vapour transmission properties	TS EN 1931	-	min.	20.000
Tensile Strength (Longitudinal)	TS EN 12311-1	N/50mm	-%10 ; +%50	450
Elongation at break (Longitudinal)	TS EN 12311-1	%	(-0 ; +20)	25
Tensile Strength (Transverse)	TS EN 12311-1	N/50mm	-%10 ; +%50	350
Elongation at break (Transverse)	TS EN 12311-1	%	(-0 ; +20)	25
Resistance to tearing (Longitudinal)	TS EN 12310-1	N	±30%	120
Flexibility at low temperature	TS EN 1109 (top surface)	°C	min.	-5
	TS EN 1109 (bottom surface)	°C	min.	-5
	Artificial aging (EN 1296)	°C	(-0 ; +10)	-5
Flow resistance at elevated temperature(<2mm)	TS EN 1110	°C	min.	110
	Artificial aging (EN 1296)	°C	(-10 ; +0)	110
Dimensional stability	TS EN 1107-1	%	max.	0,6
Adhesion of granuls	TS EN 12039	%	max.	30
Resistance to Impact	TS EN 12691 (method A)	mm	min.	1000
Resistance to static loading	TS EN 12730 (method B)	kg	min.	20
Dangerous substances	Doesn't contain asbestos or coal tar constituents.			

NPD = (No performance defined)

* For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer serves the right to modify, at any time, the characteristics of its products

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