

# PRODUCT DATA SHEET

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## Mineroll TOP 4000

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<b>PRODUCT DESCRIPTION</b>	Elastomeric modified bituminous waterproofing membrane			
<b>USAGE</b>	Used as top layer to waterproof terraces and roofs			
<b>APPLICATION METHOD</b>	Torched. Please refer to application booklet			
<b>TOP SURFACE</b>	Mineral			
<b>BOTTOM SURFACE</b>	Polyethylene Film			
<b>REINFORCEMENT TYPE</b>	Polyester			
<b>STORAGE</b>	Rolls to be stored upright and away from heat			
<b>ECOLOGICAL DATA</b>	Can be used in natural atmosphere			
TEST	METHOD	UNIT	TOLERANCE	VALUES
Visible defects	EN 1850-1	-	-	NONE
Length	EN 1848-1	m	-0,03	10
Width	EN 1848-1	m	-0,02	1
Straightness	EN 1848-1	-	-	PASS
Unit of weight	EN 1849-1	kg/m <sup>2</sup>	±%10	4
Watertightness	EN 1928 (method A 10kPa)	-	-	PASS
Reaction to fire	EN 13501-1	class	-	E
External Fire Performance	ENV 1187 EN 13501-5	class	-	Broof
Shear resistance of joint	EN 12317-1	N/50mm	±30%	850
Water vapour transmission properties	EN 1931	-	min.	20.000
Tensile Strength (Longitudinal)	EN 12311-1	N/50mm	-%10 ; '+%40	800
Elongation at break (Longitudinal)	EN 12311-1	%	(-0 ; +20)	35
Tensile Strength (Transverse)	EN 12311-1	N/50mm	-%10 ; '+%40	600
Elongation at break (Transverse)	EN 12311-1	%	(-0 ; +20)	35
Resistance to impact	EN 12691 (method A)	mm	min.	1250
Resistance to static loading	EN 12730 (method B)	kg	min.	20
Resistance to tearing (Longitudinal)	EN 12310-1	N	±50%	250
Flexibility at low temperature	EN 1109 (top surface)	°C	min.	-20
	EN 1109 (bottom surface)	°C	min.	-20
	Artificial aging (EN 1296)	°C	(-0 ; +10)	-20
Flow resistance at elevated temperature(<2mm)	EN 1110	°C	min.	100
	Artificial aging (EN 1296)	°C	(-10 ; +0)	100
Dimensional stability	EN 1107-1	%	max.	0,6
Adhesion of granules	EN 12039	%	max.	30
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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