TECHNICAL DATA SHEET

RAVAPROOF™ RUBY

RUBY P 4MM		
Modification of Bitumen	Plastomeric	CE EN 13707 - EN13969
Reinforcement	Nonwoven Polyester	
Upper Surface Coating	PE Film	
Lower Surface Coating	PE Film	

Name of the Test	Method	Unit	Tolerance	Value
Thickness	TS EN 1849-1	mm	±0,2	4
Length	TS EN 1848-1	m	min(-0,03)	10
Width	TS EN 1848-1	cm	min(-2)	100
Straightness	TS EN 1848-1			pass
Watertightness (10kPa)	TS EN 1928 Mt.A			pass
Watertightness (Type A*:2kPa, Type T: 60kPa)	TS EN 1928 Mt.A* / Mt.B			pass
Dimensional stability	TS EN 1107-1	%	≤	0,6
Flexibility at low temperature	TS EN 1109 / ASTM D-5147	°C	≤	-5
Flow resistance at elevated temperature	TS EN 1110 / ASTM D-5147	°C	≥	120
Tensile strength (MD/CMD)	TS EN 12311-1	N/50mm	±25%	600/400
Elongation (MD/CD)	TS EN 12311-1	%	±25%	30/30
Impact resistance	TS EN 12691 Mtd.A	mm	min	1000
Resistance to static loading	TS EN 12730 Mtd.A	Kg		NPD
Sheer resistance of joints	TS EN 12317-1	N/50mm	±20%	400
Peel resistance of joints	TS EN 12316-1	N/50mm		NPD
Tearing resistance (with nail)	TS EN 12310-1	N		NPD
Reaction to Fire	TS EN 11925-2	class		E
External Fire Perfomance	ENV 1187-2	class		NPD
Form stability under cyclical temp. changes	TS EN 1108	%		NPD
Water vapour properties	TS EN 1931		min	20 000
Watertightness after stretching	TS EN 13897			NPD
Resistance to root penetration	EN 13948			NPD
Artificial ageing +Cold flexibility	TS EN 1296/TS EN 1109	°C		NPD
Artificial ageing +Flow resistance	TS EN 1296/TS EN 1110	°C		NPD
Artificial ageing +Watertightness -Type T	TS EN 1296/TS EN 1928 Mt.B	60kPa		pass
Adhesion of granules	TS EN 12039	%	max	NPD
Resistance to static loading Mt.B	TS EN 12730 Mtd.B	kg	min	15
Dangerous substances	…	none/none		none

STORAGE:

1. Rolls should always be stored and transported at upright position.
2. Membrane pallets should not be stored on top of each other and similarly, heavy loads should never be placed on membrane pallets.
3. Bituminous membranes should be stored at closed areas where room temperature is above +5C. They should never be stored outside as pallets are exposed to direct sun shine and should always be kept away from heat sources.
4. Membrane rolls should not be stored outside if there is no cover on them. High temperature may lead to longitudinal shrinkage and latitudinal expandage at membranes with polyester carrier.
5. For bituminous membranes, recommended shelf-life is 12 months. The product may not meet the technical values specified in the table after 12 mt.
6. Additionally, if it is not stored under appropriate conditions, shelf life may shorten.

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