

BauderTHERMOPLAN SK 18

Technical data sheet

Type of application	FPO/TPO waterproofing membrane for adhered laying self-adhesive with or without ballast	
Surface	Top	silver grey similar RAL 7001
	Bottom	Special fleece with self-adhesive layer
Reinforcement	Type	Special glass fibre – glass fabric
Article number	6648 1150	

Characteristic	Test method	Value	
Visible defects	EN 1850-2	no visible defects	
Length	EN 1848-2	20 m (-0/+5%)	
Width	EN 1848-2	1,5 m (-0,5/+1%)	
Straightness	EN 1848-2	< 50 mm	
Flatness	EN 1848-2	< 10 mm	
Mass per unit area	EN 1849-2	2,3 kg/m ² (-5/+10%)	
Effective thickness	EN 1849-2	1,8 mm (-5/+10%) + 1 mm fleece/self-adhesive film	
Water tightness	EN 1928 Method B	passed	
External fire performance	CEN/TS 1187	npd	
Reaction to fire	EN 13501-1	class E according EN 13501-1	
Joint peel resistance	EN 12316-2	≥ 300 N	
Joint shear resistance	EN 12317-2	> 400 N	
Tensile force	md	EN 12311-2 A	> 900 N
	cd	EN 12311-2 A	> 900 N
Elongation at break	md	EN 12311-2 A	> 50 %
	cd	EN 12311-2 A	> 50 %
Resistance to impact	hard surface	EN 12691	> 600 mm
	soft surface	EN 12691	> 750 mm
Resistance to static load	hard surface	EN 12730	≥ 15 kg
	soft surface	EN 12730	≥ 15 kg
Tear resistance	EN 12310-2	> 300 N	
Resistance to root penetration	EN 13948	passed	
Dimensional stability	EN 1107-2	< 0,3 %	
Foldability at low temperature	EN 495-5	≤ -40 °C	
UV exposure (BauderTHERMOPLAN)	EN 1297	passed	
Durability Watertightness after artificial ageing	EN 1296 acc. EN 1928 (Method B 24h/60kpa)	passed	
Durability Watertightness after exposure to chemicals	EN 1847 acc. EN 1928 (Method B 24h/60kpa)	passed	
Hail resistance	hard surface	EN 13583	32 m/s
	soft surface	EN 13583	41 m/s
Water vapour properties ¹⁾	EN 1931	150000 (±30%)	
Exposure to bitumen	EN 1548	passed	
Nail Shaft test	EN 12310-1	npd	

¹⁾The characteristic meant is the moisture resistance factor μ .



Identification number of the certification body: 0800

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CPR – 51213; EN 13956 / CPR – 51214; EN 13967

Unique Code: BauderTHERMOPLAN SK 18 - 03