

BauderTHERMOPLAN T20

Technical data sheet

Type of application	FPO/TPO waterproofing membrane for loose laying, mechanically fixed or under ballast	
Surface	Top	pearl white similar RAL 1013
	Bottom	Black
Reinforcement	Type	Synthetic PES fibre fabric
Article number	6620 0150	

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	2,4 kg/m ² (-5/+10%)	
Effective thickness	EN 1849-2	2,0 mm (-5/+10%)	
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	≥ 500 N	
Tensile force	md	EN 12311-2 A	≥ 1200N/50mm
	cd	EN 12311-2 A	≥ 1200N/50mm
Elongation at maximum tensile force	md	EN 12311-2 A	≥ 19 %
	cd	EN 12311-2 A	≥ 19 %
Resistance to impact	hard surface	EN 12691	> 900mm
	soft surface	EN 12691	> 1250 mm
Resistance to static load	hard surface	EN 12730	≥ 20 kg
	soft surface	EN 12730	≥ 20 kg
Tear resistance	EN 12310-2	> 400 N	
Resistance to root penetration	EN 13948	FLL passed	
Dimensional stability	EN 1107-2	< 0,3 %	
Foldability at low temperature	EN 495-5	≤ -30 °C	
UV exposure (> 5000 h)	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	31 m/s
	soft surface	EN 13583	42 m/s
Water vapour properties ¹⁾	EN 1931	200000 (±30%)	
Exposure to bitumen	EN 1548	passed	
Nail Shaft test	EN 12310-1	> 700 N	

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 T20 - 03