

BauderTHERMOPLAN T20 V

Technical data sheet

Type of application		FPO/TPO waterproofing membrane for loose laying, mechanically fixed, adhered or under ballast
Surface	Top	silver grey similar RAL7001
	Bottom	fleecebacked
Reinforcement	Type	Synthetic PES fibre fabric
Article number		6630 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	2,6 kg/m ² (-5/+10%)
Effective thickness		EN 1849-2	2,0 mm (-5/+10%) + ~ 2mm fleece
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	> 550 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	> 800 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 V - 03