

BauderTHERMOPLAN T 18

Technical data sheet

Type of application:	FPO waterproofing membrane for loose laying, mechanically fixed ot under ballast		
Surface	Top:	pearl white	
	Bottom:	black	
Reinforcement	Type:	Synthetic PES fibre fabric	
Article number:	6618 0150		

Characteristic	Test method	Unit	Value
Visible defects	DIN EN 1850-2	-	no visible defects
Length	DIN EN 1848-2	m	20 (-0/+5 %)
Width	DIN EN 1848-2	m	1.5 (-0.5/+1 %)
Straightness	DIN EN 1848-2	mm / 20 m	< 50
Evenness	DIN EN 1848-2	mm / 20 m	< 10
Area mass / weight	DIN EN 1849-2	kg/m ²	2.2 (-5/+10 %)
Thickness	DIN EN 1849-2	mm	1.8 (-5/+10 %)
Watertightness type B	DIN EN 1928 Verf. B	kPa/72h	passed
External fire performance	DIN V ENV 1187	-	passed
Reaction to fire	DIN EN ISO 11925-2	-	class E according to DIN EN 13501-1
Peel resistance of joint	DIN EN 12316-1	N / 50 mm	≥ 300
Shear resistance of joint	DIN EN 12317-2	N / 50 mm	≥ 500, tear-off beyond joint
Max. tensile force	DIN EN 12311-2 A	N / 50 mm	length: ≥ 1100 transverse: ≥ 1100
Elongation at max. tensile force	DIN EN 12311-2 A	%	length: ≥ 19 transverse: ≥ 19
Resistance to impulsive impact	DIN EN 12691		
Hard underlay		mm	> 900
Soft underlay		mm	> 1300
Resistance to static impact	DIN EN 12730 A		
Hard underlay		kg	≥ 20
Soft underlay		kg	≥ 20
Tear propagation resistance	DIN EN 12310-2	N	> 380
Root resistance	pr DIN EN 13948/FLL	-	FLL pased
Dimensional stability	DIN EN 1107-2	%	< 0.3
Cold seaming	DIN EN 495-5	°C	< -30
UV radiation	DIN EN 1297		passed > 5000 h
Vapour permeance	DIN EN 1931	μ	approx. 200 000
Reaction to bitumen	DIN EN 1548		passed according to DIN EN 13956 Ab. 5.2.1.8, method B



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