

# BauderTHERMOFIN F 18

## Technical data sheet

Type of application	<b>FPO/TPO waterproofing membrane for loose laying, mechanically fixed or under ballast</b>	
Surface	Top	silver grey similar RAL 7001
	Bottom	<b>Black</b>
Reinforcement	Type	<b>Glass fleece</b>
Article number	<b>6818 0200</b>	

Characteristic	Test method	Value
Visible defects	EN 1850-2	no visible defects
Length	EN 1848-2	15 m (-0/+5%)
Width	EN 1848-2	2,00 m (-0,5/+1%)
Straightness	EN 1848-2	< 50 mm
Flatness	EN 1848-2	< 10 mm
Mass per unit area	EN 1849-2	1,9 kg/m <sup>2</sup> (-5/+10%)
Effective thickness	EN 1849-2	1,8 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	> 400 N
Tensile stress	md	EN 12311-2 B
	cd	EN 12311-2 B
Elongation at break	md	EN 12311-2 B
	cd	EN 12311-2 B
Resistance to impact	hard surface	EN 12691
	soft surface	EN 12691
Resistance to static load	hard surface	EN 12730
	soft surface	EN 12730
Tear resistance	EN 12310-2	> 150 N
Resistance to root penetration	EN 13948	FLL passed
Dimensional stability	EN 1107-2	< 0,3 %
Foldability at low temperature	EN 495-5	≤ -40 °C
UV exposure (> 2500 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
	soft surface	EN 13583
Water vapour properties <sup>1)</sup>	EN 1931	150.000 (±30%)
Exposure to bitumen	EN 1548	passed
Nail Shaft test	EN 12310-1	> 500 N

<sup>1)</sup>The characteristic meant is the moisture resistance factor  $\mu$ .



Identification number of the certification body: 0800

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

Unique Code: BauderTHERMOFIN F 18 - 03