

Technical Data Sheet

TOPFIX FMP SANDED Base and Underlayer

Description	TOPFIX FMP Sanded is a stabilised polyester reinforced SBS elastomeric modified bitumen waterproofing membrane. The surface is marked with two gold lines 5cm and 12cm from the roll edge to indicate the position of mechanical fixings and side lap joints.
Use	Designed to be used as a base layer in the mechanically fixed TOPFIX two layer waterproofing system, with TOPFIX FMP Sanded fixed along the selvedge; or as a reinforced base layer in the torch-on TOPFLAM two-layer system, with TOPFIX FMP Sanded fully bonded to the deck or torch receivable insulation (6cm lap).
Application method	Installed fully bonded, with fully sealed joints, using torch-on technique to form continuous layer.
Storage	Rolls to be stored upright and away from heat.
Composition	(indicative)

Reinforcement (g/m²) :	Stabilised polyester	120
Binder (g/m²) :	SBS Elastomer	2,700
Surface finish (g/m²) :	Macroperforated film+sand	100
Under surface finish (g/m²) :	Sand	300

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	10	-1%		
	Width		m	1	-1%		
	Straightness		-	Pass			
	Nominal roll weight		kg	31.0			
	Thickness (on finished product)	EN 1849-1	mm	2.65	2.50	2.80	
Visible defects	New product	EN 1850-1	-	None			
	After ageing to EN 1297		-	NA			
Adhesion of granules		EN 12039	%	NA	-	-	
Resistance to tearing (nail shank)	Longitudinal	EN 12310-1	N	180	140	210	
	Cross direction			150	120	200	
Tensile properties: maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	400	320	530	
	Cross direction			275	250	350	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	15	10	50	
	Cross direction			15	10	50	
Peel resistance of joint	Maximum force	EN 12316-1	N/50mm	Selvage	NA	-	-
				End joint	NA	-	-
	Average force			Selvage	NA	-	-
				End joint	NA	-	-
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvage	NA	-	-
				End joint	NA	-	-
Flexibility at low temperature	Surface	EN 1109	°C	-16	≤		
	Under surface			-16	≤		
Flow resistance at elevated temperature	New product	EN 1110	°C	100	≥		
	After ageing to EN 1296			NA			
Resistance to impact		EN 12691	mm	NA	≤		
Resistance to static loading		EN 12730 (A)	kg	NA	≥		
Dimensional stability		EN 1107-1	%	0.3	≤		
Form stability under cyclic temperature change		EN 1108	%	NA			

Characteristics		Standards (BS)	Units	Value	Tolerance	
					Min	Max
Water vapour transmission properties	New product	EN 1931	-	μ=20000		
	After ageing to EN 1296		-	NA		
Watertightness	New product	EN 1928	-	Pass	<10 kPa	
	After ageing to EN 1296		-	NA		
Watertightness after stretching at low temperature		EN 13897	%	NA		
Reaction to fire		EN 13501-1	-	PND		
Resistance to root penetration		EN 13948	-	NA		
Dangerous substances consult: http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None		

NA=not applicable due to use of product. PND=Performance not determined.

The manufacturer reserves the right to modify, at any time, the characteristics of its products.