Technical Data Sheet

ELASTOTORCH 5000 SANDED

Capsheet & Top Layer

1.	**Description**	Elastotorch 5000 sanded is a stabilised polyester reinforced APP bituminous waterproofing membrane.
2.	**Use**	Top layer and multi-purpose protection sheet in flat roof bitumen waterproofing system.
3.	**Application method**	Installed by torch-on application.
4.	**Storage**	Rolls to be stored upright and away from heat.
5.	**Composition**	(Indicative).

Reinforcement (g/m²)	Polyester (180g/m²)	
Binder (g/m²)	APP	
Surface finish (g/m²) :	Sand	
Under surface finish (g/m²)	Thermofusible film	

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	49.6		
	Thickness (on finished product)		EN 1849-1	mm	4.00	3.80	4.20
Visible defects	New product		EN 1850-1	-	None		
	After ageing to EN 1297			-	None		
Adhesion of granules			EN 12039	%	NA		
Resistance to tearing (nail shank)	Longitudinal		EN 12310-1	N	NA	-	-
	Cross direction				NA	-	-
Tensile properties: maximum tensile force	Longitudinal		EN 12311-1	N/50 mm	700	500	
	Cross direction				550	440	
Tensile properties: elongation	Longitudinal		EN 12311-1	%	35	25	
	Cross direction				35	25	
Peel resistance of joint	Maximum force	Selvedge	EN 12316-1	N/50mm	NA	-	-
		End joint			NA	-	-
	Average force	Selvedge			NA	-	-
		End joint			NA	-	-
Shear resistance of joint	Maximum force	Selvedge	EN 12317-1	N/50mm	NA		
		End joint			NA		
Flexibility at low temperature	Surface		EN 1109	°C	-5	≤	
	Under surface				-5	≤	
Flow resistance at elevated temperature	New product		EN 1110	°C	130	≥	
	After ageing to EN 1296				100	≥	
Resistance to impact			EN 12691	mm	400	≤	
Resistance to static loading			EN 12730 (A)	kg	20	≥	
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.

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