

K-MS 170/4000 TORCH ON

EN 13707	Reinforced bitumen sheets for roof waterproofing	0809-CPD-0546
EN 13969	Bitumen damp proof sheets including bitumen basement tanking sheets	0809-CPD-0546
EN 13970	Bitumen water vapour control layers	
EN 13859-1	Underlays for discontinuous roofing	

DESCRIPTION OF THE PRODUCT

Type of application	Underlay sheet		
Method of application	Torching (mechanical when needed)		
Type of coating	SBS-modified bitumen		
Type of carrier	Polyester non woven	170 g/m ²	
Type of top surfacing	Fine sand		
Type of bottom surfacing	Thermofusible film and torch-on elastomer bitumen		Test method
Mass per unit area	4,000 kg/m ² (- 5 %)		EN 1849-1
Nominal thickness	3,3 mm (± 10 %)		EN 1849-1
Length	10,0 m (- 1 %)		EN 1848-1
Width	1,0 m (± 1 %)		EN 1848-1
Straightness	max deviation 20 mm/10 m	Pass	EN 1848-1
Visual defects	No defects	Pass	EN 1850-1



FIRE PROPERTIES	Fireclass	Classification	Test method
External Fire performance ¹⁾	Broof(t2)	EN 13501-5	ENV 1187 (t2)
Reaction to Fire	F	EN 13501-1	EN ISO 11925-2

MANDATED CHARACTERISTICS ACCORDING TO:	0809-CPD-0546		EN 13970	EN 13859-1	Tolerance	Units	Test Method
	EN 13707	EN 13969					
Watertightness under pressure	PASS	PASS	PASS			-	EN 1928 A
Resistance to water penetration				W1 (200 mm)		-	EN 1928 A
Water vapour resistance			20 000			μ	EN 1931
Tensile strength at 23 °C							EN 12311-1
longitudinal	820	820	820	820	- 20 %	N/50 mm	
transversal	545	545	545	545	- 20 %	N/50 mm	
Elongation at maximum force							EN 12311-1
longitudinal	> 40	> 40	> 40	> 40		%	
transversal	> 45	> 45	> 45	> 45		%	
Nail shank tear resistance							EN 12310-1
longitudinal	300	300	300	300	- 20 %	N	
transversal	300	300	300	300	- 20 %	N	
Flexibility at low temperature							EN 1109
upper surface Ø 30 mm	-20	-20	-20	-20		°C	
bottom surface Ø 30 mm	-10	-10	-10	-10		°C	
Resistance to Impact at +23 °C		NPD	NPD			mm	EN 12691
Resistance to Impact at -10 °C		NPD	NPD			mm	EN 12691
Resistance to Static Loading		NPD				kg	EN 12730
OTHER CHARACTERISTICS ACCORDING TO:	EN 13707			EN 13859-1	Tolerance	Units	Test Method
Stability at elevated temperature	90					°C/2h	EN 1110
Water vapour transmission properties	20000					μ	EN 1931
Dimensional stability	-0,5			-0,5		%	EN 1107-1
Watertightness after stretching at low temp.							EN 13897
longitudinal	>30					%	
transversal	>30					%	

NPD = no performance determined

¹⁾ Details can be found at: www.katepal.fi

The manufacturer reserves the right to change the content without further notice.

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