

Technical Data Sheet - KERABIT Root Barrier



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001.CPR.16020



Reinforced bitumen sheets for roof waterproofing EN 13707

Product description	
Use	An upper layer to prevent roots penetration to the waterproofing system Root protection properties have been studied in accordance with EN 13948 (FLL procedure).
Application	Bonding onto the substrate by melting the undersurface of the membrane and the protective film with a blowtorch. Applying with mechanical fastening, when necessary
Reinforcement	Reinforced polyester
Coating	SBS modified bitumen
Surfacing	Sand
Bottom surfacing	Thermofusible film and torch-on elastomer bitumen

Characteristic	Method	Unit	Nominal value	minimum	maximum
Length	EN 1848-1	m	10	-	-
Width	EN 1848-1	m	1	0,095	1,005
Mass per unit area	EN 1849-1	g/m ²	4000	3800	-
Nominal thickness	EN 1849-1	mm	3,3	3,1	3,7
Straightness	EN 1848-1	mm / m	pass		20/10
Visual defects	EN 1850-1	-	no defects		
Declaration of performance			001.CPR.16020		
AVCP- class			2+		
Certificate of factory production control			0809-CPR-1030		

Fire properties	Method	Classification	Fireclass
Reaction to fire	EN ISO 11925-2	EN 13501-1	F
External fire performance	ENV 1187 ¹⁾	EN 13501-5	B _{ROOF} (t2)

Characteristic	Method	Unit	EN 13707	minimum	maximum
Watertightness	EN 1928 B	kPa	pass	300	
Tensile strength - in longitudinal direction - in transverse direction	EN 12311-1	N/ 50 mm N/ 50 mm	750 550	600 400	900 700
Elongation	EN 12311-1	%	40	25	55
Nail shank tear resistance - in longitudinal direction - in transverse direction	EN 12310-1	N N	250 300	150 150	350 450
Resistance to static loading	EN 12370 A EN 12370 B	kg kg	20	15	
Resistance to impact	EN 12691	mm	1000	800	
Durability*					
* Water vapor transmission	EN 1296/1931	m			
* Watertightness	EN 1928 B	kPa		60	
*Chemical resistance	EN 1847/1928 EN 1847/1931				
* Pliability: surface bottom	EN 1296/1109	°C °C	-15 -10	-10 0	
* Flow resistance at elevated temperature : surface bottom	EN 1296/1110	°C	80 80	80 80	100 95
Pliability : surface bottom	EN 1109	°C	-20 -20	-20 -10	-30 -25
Water vapor resistance	EN 1931	m ² sPa/kg		2 x 10 ¹²	
Flow resistance at elevated temperature	EN 1110	°C	80	80	
Dimensional Stability	EN 1107-2	%	0,3		0,6
Resistance to roots penetration	EN 13948		no penetration		

Dangerous substances^{2),3)}

No dangerous substances

1) see: www.kerabit.fi

2) No asbestos or coal tar constituents

3) In the absence of European harmonized test methods, verification and declaration on release/content has to be done taking into account national provisions in the place of use

NPD = no performance determined
*tested after ageing

