

Technical Data Sheet - KERABIT Root Barrier



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002.CPR.16020

Kerabit
Tuotteet

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			002.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	EN 12311-1	N/ 50 mm	750	600	900
- in longitudinal direction				400	700
- in transverse direction		N/ 50 mm	550		
Elongation	EN 12311-1	%	40	25	55
Nail shank tear resistance	EN 12310-1	N	250	150	350
- in longitudinal direction				300	450
- in transverse direction					
Resistance to static loading	EN 12370 A	kg	20	15	
	EN 12370 B	kg			
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	EN 1296/1109	°C	-15	-10	
		°C	-10	0	
* Flow resistance at elevated temperature : surface	EN 1296/1110	°C	80	80	100
			80	80	95
bottom	EN 1109	°C	-20	-20	-30
			-20	-10	-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		

