

Technical Data Sheet - KERABIT 4100 UT



Nordic Waterproofing Oy
Puistokatu 25-27, 08150 Lohja, Finland
06
003.CPR.15507



Reinforced bitumen sheets for roof waterproofing EN 13707 Bitumen vapour control layers EN 13970

Bitumen damp proof sheets including basement tanking sheet EN 13969

Product description	
Use	Underlay sheet in built-up roofing
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	0,995	1,005
Straightness	EN 1848-1	mm / m	pass		20/10
Length	EN 1848-1	m	8	-	-
Width	EN 1848-1	m	1,1	1,095	1,105
Straightness	EN 1848-1	mm / m	pass		16/8
Mass per unit area	EN 1849-1	g/m ²	4000	3800	-
Nominal thickness	EN 1849-1	mm	3,3	3,1	3,7
Visual defects	EN 1850-1	-	no defects		

Declaration of performance	003.CPR.15507	
AVCP- class	2+	3
Certificate of factory production control	0809-CPR-1030	-

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

Characteristic	Method	Unit	EN 13707	EN 13969	EN 13970	minimum	maximum
Watertightness	EN 1928 B	kPa	pass	pass	pass	300	
Tensile strength	EN 12311-1	N/ 50 mm	750	750	750	600	900
- in longitudinal direction							
- in transverse direction		N/ 50 mm	550	550	550	400	700
Elongation	EN 12311-1	%	40	40	40	25	55
Nail shank tear resistance	EN 12310-1	N	250	250	250	150	350
- in longitudinal direction							
- in transverse direction		N	300	300	300	150	450
Resistance to static loading	EN 12370 A	kg	20			15	
	EN 12370 B	kg		NPD			
Resistance to impact	EN 12691	mm	1000	1000	1000	800	
Durability*							
* Water vapor transmission	EN 1296/1931	m			NPD		
* Watertightness	EN 1928 B	kPa		pass		60	
*Chemical resistance	EN 1847/1928			NPD			
	EN 1847/1931				NPD		
* Pliability: surface	EN 1296/1109	°C	-15			-10	
		bottom	°C	-10			0
* Flow resistance at elevated temperature : surface	EN 1296/1110	°C	80			80	100
			bottom	80			80
Pliability : surface	EN 1109	°C	-20	-20	-20	-20	-30
			bottom	-20	-20	-20	-10
Water vapor resistance	EN 1931	m ² sPa/kg			2,3 x 10 ¹²	2 x 10 ¹²	
Flow resistance at elevated temperature	EN 1110	°C	80	80	80	80	
Dimensional Stability	EN 1107-2	%	0,3	0,3	0,3		0,6

Dangerous substances^{3),4)} No dangerous substances

1) concerns only attestation of conformity system 2+, 2) see: www.kerabit.fi
3) No asbestos or coal tar constituents, 4) 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
V6 2/18