

Technical Data Sheet - KERADECK 3000 U



Nordic Waterproofing Oy
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16
001.CPR.15516



Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete EN 14695

Product description	
Use	Sheet for bridges, underlay sheet in built-up roofing, bitumen damp proof sheet
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	Sand

Characteristic	Method	Unit	Nominal value	minimum	maximum
Length	EN 1848-1	m	10	-	-
Width	EN 1848-1	m	1	0,995	1,005
Mass per unit area	EN 1849-1	g/m ²	3000	2850	-
Nominal thickness	EN 1849-1	mm	2,5	2,3	2,7
Straightness	EN 1848-1	mm / m	pass		20/10
Visual defects	EN 1850-1	-	no defects		

Declaration of performance	001.CPR.15516
AVCP- class	2+
Certificate of factory production control	0809-CPR-1030

Characteristic	Method	Unit	EN 14695	minimum	maximum
Resistance to dynamic water pressure	EN 14694		pass		
Tensile strength - in longitudinal direction - in transverse direction	EN 12311-1	N/ 50 mm N/ 50 mm	750 550	600 400	900 700
Elongation - in longitudinal direction - in transverse direction	EN 12311-1	% %	40 40	25 25	55 55
Bond strength +23/+8 °C to concrete to epoxy	EN 13596	N/mm ² N/mm ²	≥ 0,7/ 1,6 ≥ 0,7/ 1,8	≥ 0,5/ 1,0 ≥ 0,5/ 1,0	
Crack bridging ability -20 °C	EN 14224	°C	pass	-20	
Shear strength	EN 13653	N/mm ²	≥ 0,20	≥ 0,15	
Resistance to compaction of an asphalt layer	EN 14692		pass		
Pliability - surface - bottom	EN 1109	°C	-20 -20	-20 -10	

Dangerous substances^{1),2)} No dangerous substances

1) No asbestos or coal tar constituents
2) 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

V1 3/16

Other characteristics outside standard EN 14695

Characteristic	Method	Unit	Nominal value	minimum	maximum
Watertightness	EN 1928 B	kPa	pass	300	
Flow resistance at elevated temperature	EN 1110	°C	80	80	
Resistance to static loading	EN 12370 A	kg	20	15	
Resistance to impact	EN 12691	mm	1000	800	
Nail shank tear resistance - in longitudinal direction - in transverse direction	EN 12310-1	N N	250 250	150 150	350 350
Dimensional Stability	EN 1107-2	%	0,3		0,6

Structure	Product	Material need	Package size
Primer or epoxy	Kerabit KBL 20/100	about 100 g/m ²	20 liter
	Gremmler1403 R or similar epoxy	brush 2 times, total about 1600 g/m ²	-
Modified bitumen	Kerabit KB 100/50	about 1000 g/m ²	17,5 kg
Bitumen sheet	Keradeck 3000 U +		1 x 10 m
Bitumen sheet	Keradeck 5200 T		1 x 8 m