

Technical Data Sheet - KERADECK 3000 U



Kerabit Oy
Puistokatu 25-27, 08150 Lohja, Finland
16
002.CPR.15516

Kerabit
Tuotteet

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	002.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

V2 6/23

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