

Technical Data Sheet - KERADECK 6600 T



Nordic Waterproofing Oy
Puistokatu 25-27, 08150 Lohja, Finland
13, 16²⁾
005.CPR.15610



Bitumen damp proof sheets including basement tanking sheet EN 13969		Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete EN 14695						
Reinforced bitumen sheets for roof waterproofing EN 13707		Bitumen vapour control layers EN 13970						
Product description								
Use	Sheet for bridges, base sheet in one layer structure, bitumen damp proof sheet, vapour control layer							
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	7				-	-
Width	EN 1848-1	m	1				0,995	1,005
Mass per unit area	EN 1849-1	g/m ²	6600				6250	-
Nominal thickness	EN 1849-1	mm	5,5				5,3	5,7
Straightness	EN 1848-1	mm / m	pass					14/7
Visual defects	EN 1850-1	-	no defects					
Declaration of performance			005.CPR.15610					
AVCP- class			2+		3			
Certificate of factory production control			0809-CPR-1030		-			
Fire properties	Method	Classification	Fire class					
Reaction to fire	EN ISO 11925-2	EN 13501-1	NPD					
External fire performance	ENV 1187 ³⁾	EN 13501-5	B _{ROOF} (t2)					
Characteristic	Method	Unit	EN 13707	EN 13969	EN 14695	EN 13970	minimum	maximum
Watertightness	EN 1928 B	kPa	pass	pass		pass	300	
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	1000 900	1000 900	1000 900	1000 900	900 800	1100 1000
Elongation - in longitudinal direction - in transverse direction	EN 12311-1	% %	50 50	50 50	50 50	50 50	40 40	60 60
Nail shank tear resistance - in longitudinal direction - in transverse direction	EN 12310-1	N N	350 400	350 400		350 400	300 350	400 450
Water absorption	EN 14223	%			≤ 0,3			1,0
Dimensional Stability + 80 °C	EN 1107-1	%	0,3	0,3		0,3		0,6
Dimensional Stability +160 °C	EN 1107-1	%	0,6	0,6		0,6		1,0
Bond strength +23/+8 °C to concrete to epoxy to mastic asphalt	EN 13596	N/mm ² N/mm ² N/mm ²			≥ 0,5/ 1,3 ≥ 0,8/ 1,4 ≥ 0,5/ 0,9		0,5/1,0 0,5/1,0 0,5/0,8	
Crack bridging ability -20 °C	EN 14224	°C			pass		-20	
Shear strength - asphalt - mastic asphalt	EN 13653	N/mm ² N/mm ²			≥ 0,25 ≥ 0,25		≥ 0,15 ≥ 0,15	
Shear strength after ageing - asphalt - mastic asphalt	EN 13653	N/mm ² N/mm ²			≥ 0,40 ≥ 0,40		≥ 0,15 ≥ 0,15	
Resistance to compaction of an asphalt layer - asphalt AB5 and AB8	EN 14692				pass			

Characteristic	Method	Unit	EN 13707	EN 13969	EN 14695	EN 13970	minimum	maximum
Behaviour during application of mastic asphalt	EN 14693				0 % 0,6 mm no inclusions			
Resistance to static loading	EN 12370 A	kg	25				20	
	EN 12370 B	kg		NPD				
Resistance to impact	EN 12691	mm	1750	1750		1750	1500	
Shear resistance of joints	EN 12317-1	N/50 mm	600				600	1000
Durability*								
* Watertightness	EN 1296/1928 B	kPa		pass			60	
* Chemical resistance	EN 1847/1928			NPD				
* Pliability	EN 1296/1109							
- surface		°C	-30	-30	-30		-25	
- bottom		°C	-30	-30	-30		-25	
* Flow resistance at elevated temperature	EN 1296/1110	°C	110	110	110		80	
Pliability	EN 1109	°C						
- surface			-20	-20	-20		-20	
- bottom			-10	-10	-10		-10	
Flow resistance at elevated temperature	EN 1110	°C	115	115		115	80	
Water vapor resistance	EN 1931	m ² sPa/kg				2,3x10 ¹²	2x10 ¹²	
Adhesion of granules	EN 12039	%	NPD					
Dangerous substances ^{4),5)}			No dangerous substances					
1) concerns only attestation of conformity system 2+					NPD = no performance determined			
2) EN 14695					*tested after ageing			
3) see: www.kerabit.fi								
4) No asbestos or coal tar constituents								
5) 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								

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Structure EN 14695	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	-
Bitumen sheet	Keradeck 6600 T		1 x 7 m