

WPC 50 TVB

Compounding and Properties

DATA SHEET							
					EN 13859-1	UDB-A	
COMPOUNDING							
(without obligation) surface reinforcement (g/m ²) : composite reinforcement of polypropylene							
rear side (g/m ²) : polymer modified bitumen adhesive							
					120	1.500	
PROPERTIES							
				STANDARDS	UNIT	minimal value	WPK *) values/ mean values
measures	length		EN 1848-1		m	20	≤ 20
	width				m	1	≤ 1
	rectitude				mm/10 m	≤ 20	≤ 20
thickness/weight				EN 1849-1	mm	≥ 1,40	1,62
				EN 1849-1	kg/m ²	≥ 1,00	1,16
resistance to tear propagation		longitudinal		EN 12310-1 modified EN13859-1 part B	N	200-300	275
		across				200-300	286
tensile behaviour: tensile strenght	pre ageing	longitudinal		EN 12311-1 modified EN 13859-1 part A	N/50 mm	200-300	290
		across				300-500	308
	post ageing EN 13859-1 part C	longitudinal				300-500	329
		across				300-500	383
tensile behaviour: expansion at tensile strenght	pre ageing	longitudinal		%	5-30	6,3	
		across			5-30	11,8	
	post ageing EN 13859-1 part C	longitudinal			10-30	17,5	
		across			10-30	18,0	
bending behaviour (cold)	surface		EN 1109	°C	-40	v	
	rear side				-30	v	
dimensional accuracy				EN 1107-1	%	0 ± 5	v
temperature stability		minimum / maximum temperature		EN 13859-1	°C	- 45 / + 100	- 45 / > +100
water vapour permeability		sd-value		EN 1931	m	50-100	70
watertightness		pre ageing		EN 1928:2001 modified EN 13859-1 §5.2.3	-	W1	W1
		post ageing EN 13859-1 part C			-	W1	W1
classification of fire behaviour				EN 13501-1	-	E	E
resistance to water migration				EN 13111	ml/3h	≤ 100	0
resistance to driving rain		yes		yes	yes	yes	yes
increasing demand to ageing		yes		yes	yes	yes	yes
adequacy as provisional cover		yes		yes	yes	yes	yes
*) WPK: factory owned production control as well as test results of the analysis on the laboratory scale progressed by Kiwa MPA Bautest GmbH Dresden test report DD4773/1A/2011							

All details conform to the actual status of technics respectively processing. Subject to change without prior notice