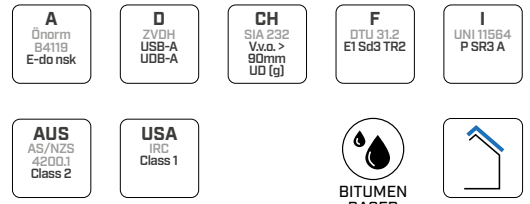


# BYTUM 1100



## BITUMINOUS UNDERLAY CONTROL LAYER



### COMPOSITION

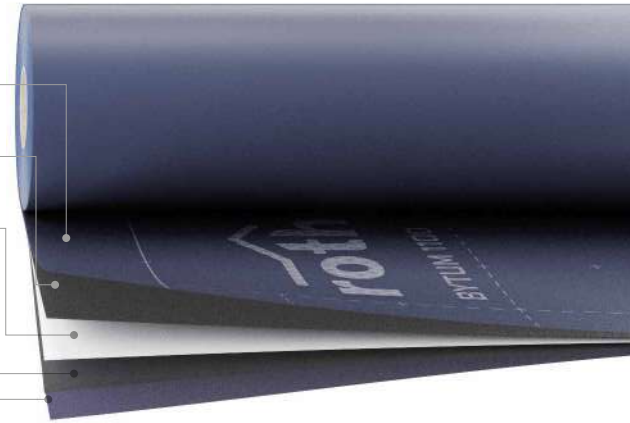
top layer  
non-woven PP fabric

compound  
bituminous mixture

reinforcing layer  
PL fabric

compound  
bituminous mixture

bottom layer  
non-woven PP fabric



### TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	1100 g/m <sup>2</sup>	3.6 oz/ft <sup>2</sup>
Thickness	EN 1849-2	1,1 mm	43 mil
Water vapour transmission (Sd)	EN 1931	55 m	0.064 US perm
Maximum tensile force MD/CD	EN 12311-1	650 / 500 N/50mm	74 / 57 lb/in
Elongation MD/CD	EN 12311-1	45 / 50 %	-
Resistance to nail tearing MD/CD	EN 12310-1	230 / 230 N	52 / 52 lbf
Watertightness	EN 1928	class W1	-
Temperature resistance	-	-40 / 100 °C	-40 / 212 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	0 m <sup>3</sup> /(m <sup>2</sup> h50Pa)	0 cfm/ft <sup>2</sup> at 50Pa
Thermal conductivity (λ)	-	0,2 W/(m·K)	0.12 BTU/h·ft·°F
Specific heat	-	120 J/(kg·K)	-
Density	-	approx. 1000 kg/m <sup>3</sup>	approx. 0.58 oz/in <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 50000	approx. 275 MNs/g
UV stability <sup>(1)</sup>	EN 13859-1/2	4 months	-
Exposure to weather <sup>(1)</sup>	-	3 weeks	-
After ageing:			
- watertightness	EN 1297 / EN 1928	class W1	-
- maximum tensile force MD/CD	EN 1297 / EN 12311-1	600 / 450 N/50mm	69 / 51 lb/in
- elongation	EN 1297 / EN 12311-1	35 / 40 %	-
Flexibility at low temperatures	EN 1109	-45 °C	-49 °F

<sup>(1)</sup> For the correlation between laboratory tests and actual conditions, see page 199.  
Store the product in a dry, covered location. The rolls must be transported and stored in a vertical position.

### CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m <sup>2</sup> ]	[ft]	[ft]	[ft <sup>2</sup> ]	
BYT1100	BYTUM 1100	-	1	25	25	3.3	82	270	24