

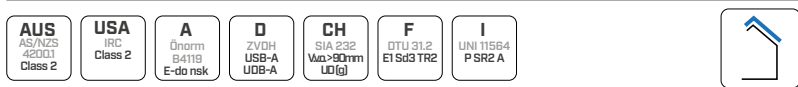
# BYTUM 400



## BITUMINOUS UNDERLAY CONTROL LAYER

### COMPOSITION

- ① top layer: non-woven PP fabric
- ② compound: bituminous mix
- ③ reinforcing layer: PL fabric
- ④ compound: bituminous mix
- ⑤ bottom layer: non-woven PP fabric



BITUMEN BASED

### TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-1	400 g/m <sup>2</sup>	1.31 oz/ft <sup>2</sup>
Thickness	EN 1849-2	0,6 mm	24 mil
Water vapour transmission (Sd)	EN 1931	22 m	0.16 US Perm
Tensile strength MD/CD	EN 12311-1	500/400 N/50 mm	57/46 lbf/in
Elongation MD/CD	EN 12311-1	45/50 %	-
Resistance to nail tearing MD/CD	EN 12310-1	200/200 N	45/45 lbf
Watertightness (2 kPa)	EN 1928	compliant	-
Resistance to temperature	-	-45/100 °C	-49/212 °F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa)	< 0.001 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. 600 kg/m <sup>3</sup>	approx. 37 lbf/ft <sup>3</sup>
Water vapour resistance factor (μ)	-	approx. 36000	approx. 110 MNs/g
UV stability <sup>(1)</sup>	EN 13859-1/2	336h (3 months)	-
After ageing:			
- watertightness (2 kPa)	EN 1297/EN 1928	compliant	-
- tensile strength MD/CD	EN 1297/EN 12311-1	450/350 N/50 mm	51/40 lbf/in
- elongation	EN 1297/EN 12311-1	35/40 %	-
Flexibility at low temperatures	EN 1109	-45 °C	-49 °F

<sup>(1)</sup>Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 3 weeks. The rolls must be transported and stored in a vertical position. Store the product in a dry, covered location until application, as it is sensitive to temperature fluctuations.

Waste classification (2014/955/EU): 17 03 02.

### CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m <sup>2</sup> ]	H [ft]	L [ft]	A [ft <sup>2</sup> ]	
BYT400	BYTUM 400	-	1	50	50	3.3	164	538	20