

BYTUM BASE 2500



SELF-ADHESIVE BITUMINOUS MEMBRANE



AUS AS/NZS 4200.1 Class 1	USA IRC Class 1	A Dnorm B4119 E-d0 nsk	D ZVDH USB-B UDB-C	CH SIA 232 V.v.o. UD (FU)	F DTU 31.2 pare-vapeur ET Sd3 TR1	I UNI 11564 PSR1 A
---	------------------------------	--	------------------------------------	---	---	---------------------------------



FLAT ROOF

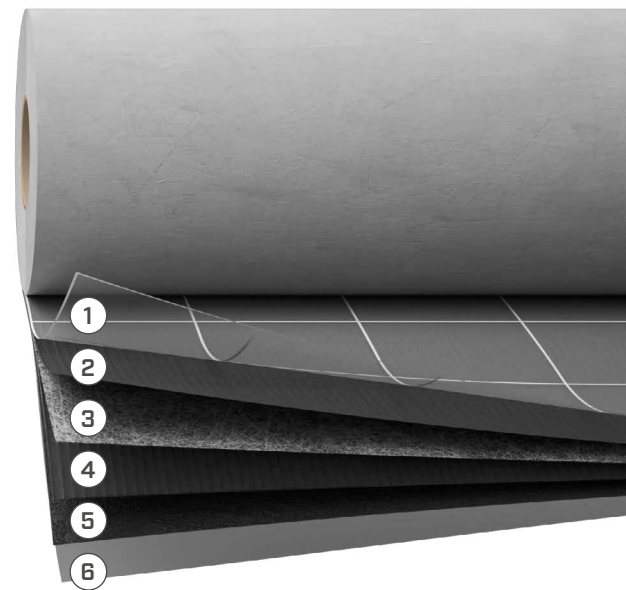
Ideal for flat roofs as a final visible layer in combination with BYTUM SLATE 3500.

WORKABILITY

Flexibility and workability are guaranteed even at low temperatures thanks to the polymer-modified bituminous compound.

SELF-ADHESIVE AND SELF-SEALING

The adhesive compound and polyester surface finish allow the membrane to be self-sealed quickly and conveniently.



COMPOSITION

- ① top layer: PL film
- ② compound: elastoplastic polymeric distilled bitumen
- ③ reinforcing layer: PL stabilised with glass fibre
- ④ compound: elastoplastic polymeric distilled bitumen
- ⑤ bottom layer: distilled bitumen modified with self-adhesive polymer
- ⑥ release liner: removable plastic film

CODES AND DIMENSIONS

CODE	description	liner [mm]	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
BYTBASE2500	BYTUM BASE 2500	500/500	1	10	10	3.3	33	108	29



WITHOUT FLAME

Self-adhesive. Thanks to the modified self-adhesive distilled bitumen compound, the product can be installed without the use of open flames or heat.

EASY INSTALLATION

Pre-cut removable monosilicone films and a precise alignment of the sheaths make the job safe and visually appealing.

TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-1	approx. 2650 g/m ²	approx. 8.68 oz/ft ²
Thickness	EN 1849-1	2 mm	79 mil
Water vapour transmission (Sd)	EN 1931	approx. 200 m	approx. 0.017 US Perm
Tensile strength MD/CD	EN 12311-1	400/300 N/50 mm	46/34 lbf/in
Elongation MD/CD	EN 12311-1	35/35 %	-
Resistance to nail tearing MD/CD	EN 12310-1	120/120 N	27/27 lbf
Adhesion strength on BYTUM BASE 2500 at 180°	EN 12316-1	50 N	11.24 lbf
Adhesion strength on steel	ASTM D 1000	50 N/50 mm	6 lbf/in
Watertightness (60 kPa)	EN 1928	compliant	-
Resistance to temperature	-	-20/+90 °C	-4/+ 194 °F
Flexibility at low temperatures	EN 1109	-20 °C	-4 °F
Hot sliding	EN 1110	+90 °C	+194 °F
Application temperature (product, support and ambient)	-	10/30 °C	50/86 °F
Reaction to fire	EN 13501-1	class E	-
Thermal conductivity (λ)	-	0,17 W/(m·K)	0.12 BTU/h·ft·°F
Specific heat	-	170 J/(kg·K)	-
Density	-	approx. 1250 kg/m ³	approx. 78 lbf/ft ³
Water vapour resistance factor (μ)	EN 13707	approx. 20000	approx. 200 MNs/g
Joint strength	EN 12317-2	300/200 N/50 mm	34/23 lbf/in
UV stability ⁽¹⁾	EN 13859-1/2	336 h (3 months)	-
After ageing:			
- watertightness (60 kPa)	EN 1296/EN 1928	compliant	
- tensile strength MD/CD	EN 1297/EN 12311-1	300/200 N/50 mm	34/23 lbf/in
- elongation	EN 1297/EN 12311-1	30/30 %	-
Storage temperature ⁽²⁾	-	+10/+ 40 °C	+50/104 °F

⁽¹⁾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.

⁽²⁾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. We recommend applying it during the cooler hours in summer and the warmer hours in winter, possibly with the help of a hot air gun.

Waste classification (2014/955/EU): 08 04 10.

REAL APPLICATION

BYTUM BASE 2500 is extremely waterproof thanks to its PL top film and double bituminous layer, which provides protection even when exposed to weathering during construction. Its fully adhesive surface ensures secure and durable sealing, preventing water penetration behind the membrane in case of accidental breakage.

After exposure during construction with heavy rain for 7 days in South America*



watertightness



compliant



*The test serves to demonstrate the quality of BYTUM BASE 2500 even in heavy rain. However, for waterproofing flat roofs it must be used in conjunction with BYTUM SLATE 3500.

RELATED PRODUCTS



BYTUM LIQUID
page 50



BYTUM SPRAY
page 48



GROUND BAND
page 32



BLACK BAND
page 144