

# BYTUM SLATE 3500

## SELF-ADHESIVE SLATED BITUMINOUS MEMBRANE

CE  
EN 13707  
EN 13859-1



|                                           |                              |                                        |                                    |                                         |                                                   |                                 |
|-------------------------------------------|------------------------------|----------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|---------------------------------|
| <b>AUS</b><br>AS/NZS<br>4200.1<br>Class 1 | <b>USA</b><br>IRC<br>Class 1 | <b>A</b><br>Dnorm<br>B4119<br>E-d0 nsk | <b>D</b><br>ZVDH<br>US8-B<br>UD8-C | <b>CH</b><br>SIA 232<br>Vva. UD<br>(FJ) | <b>F</b><br>DTU 31.2<br>pare-vapeur<br>ET Sd3 TR1 | <b>I</b><br>UNI 11564<br>PSR1 A |
|-------------------------------------------|------------------------------|----------------------------------------|------------------------------------|-----------------------------------------|---------------------------------------------------|---------------------------------|



100% UV  
RESISTANCE



ADHESIVE



BITUMEN  
BASED

### EASY INSTALLATION

The slate finish makes BYTUM SLATE 3500 usable on slopes up to 5° as an under-tile and compatible with mortar and foam.

### WIDE RANGE

Available in 4 colours to meet different application areas and aesthetic requirements.

### FLEXIBILITY

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



## CODES AND DIMENSIONS

| CODE               | description            | liner<br>[mm] | colour | H<br>[m] | L<br>[m] | A<br>[m <sup>2</sup> ] | H<br>[ft] | L<br>[ft] | A<br>[ft <sup>2</sup> ] |    |
|--------------------|------------------------|---------------|--------|----------|----------|------------------------|-----------|-----------|-------------------------|----|
| <b>BYTSWHI3500</b> | BYTUM SLATE 3500 WHITE | 500/500       | white  | 1        | 10       | 10                     | 3.29      | 33        | 107.64                  | 27 |
| <b>BYTSGRE3500</b> | BYTUM SLATE 3500 GREEN | 500/500       | green  | 1        | 10       | 10                     | 3.29      | 33        | 107.64                  | 27 |
| <b>BYTSRED3500</b> | BYTUM SLATE 3500 RED   | 500/500       | red    | 1        | 10       | 10                     | 3.29      | 33        | 107.64                  | 27 |
| <b>BYTSGRA3500</b> | BYTUM SLATE 3500 GRAY  | 500/500       | grey   | 1        | 10       | 10                     | 3.29      | 33        | 107.64                  | 27 |



### SELF-ADHESIVE AND SELF-SEALING

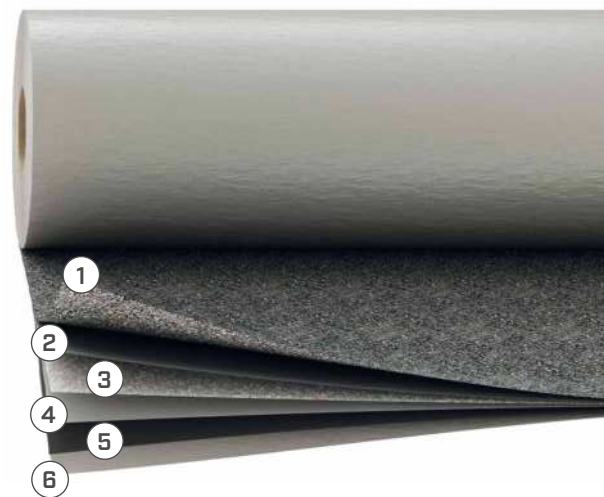
The lateral adhesive strip guarantees water-proofing even at the points where membranes overlap.

### FLAT ROOF

Ideal for creating a flat roof as a final visible layer in combination with BYTUM BASE 2500.

## COMPOSITION

- ① top layer: slate chips
- 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



## TECHNICAL DATA

| Properties                                             | standard           | value                          | USC units                      |
|--------------------------------------------------------|--------------------|--------------------------------|--------------------------------|
| Mass per unit area                                     | EN 1849-1          | 3500 g/m <sup>2</sup>          | 11.47 oz/ft <sup>2</sup>       |
| Thickness                                              | EN 1849-1          | ca. 2.8 mm                     | approx. 110 mil                |
| Water vapour transmission (Sd)                         | EN 1931            | 280 m                          | 0.012 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 selvedge at 180°                  | EN 12316-1         | 50 N                           | 11.240451 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 °C                          | 50 °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 <sup>3</sup> | approx. 78 lbm/ft <sup>3</sup> |
| 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                                           | EN 13859-1/2       | permanent                      | -                              |
| 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 <sup>(1)</sup>                     | -                  | +10/+ 40 °C                    | +50/104 °F                     |

<sup>(1)</sup>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. For best results, apply it during the cooler hours in summer and warmer hours in winter, using a hot air gun if possible.

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



### PERMANENT UV STABILITY

The exposed slated top layer provides long-lasting weather resistance by protecting the bitumen waterproof layer.