

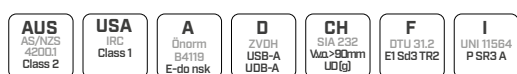
# BYTUM 1100

## BITUMINOUS UNDERLAY CONTROL LAYER

CE  
EN 13859-1

### 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



### TECHNICAL DATA

| Properties                         | standard           | value                                        | USC units                          |
|------------------------------------|--------------------|----------------------------------------------|------------------------------------|
| Mass per unit area                 | EN 1849-1          | 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                                         | 0.06 US Perm                       |
| Tensile strength MD/CD             | EN 12311-1         | 650/500 N/50 mm                              | 74/57 lbf/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 (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. 1000 kg/m <sup>3</sup>               | approx. 62 lbm/ft <sup>3</sup>     |
| Water vapour resistance factor (μ) | -                  | approx. 50000                                | approx. 275 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 | 600/450 N/50 mm                              | 69/51 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<br>[m] | L<br>[m] | A<br>[m <sup>2</sup> ] | H<br>[ft] | L<br>[ft] | A<br>[ft <sup>2</sup> ] |    |
|--------------|---------------|------|----------|----------|------------------------|-----------|-----------|-------------------------|----|
| BYT1100      | BYTUM 1100    | -    | 1        | 25       | 25                     | 3.3       | 82        | 270                     | 24 |
| BYTTT1100(*) | BYTUM 1100 TT | TT   | 1        | 25       | 25                     | 3.3       | 82        | 270                     | 24 |

(\*)Product available on request.