

# BYTUM 1100

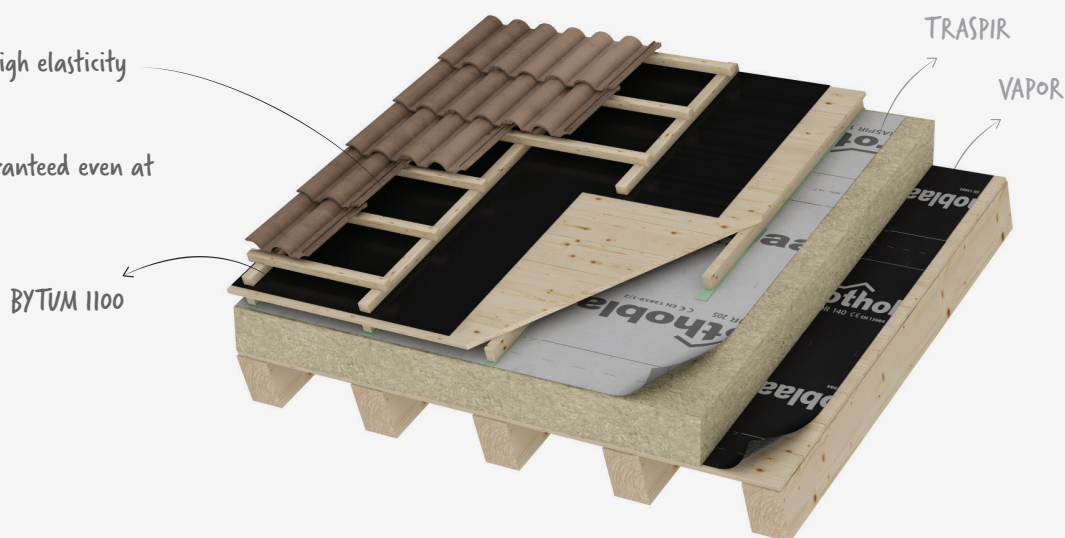
Bituminous underlay control layer

Bituminous compound with polyester (PL) reinforcing layer and polypropylene (PP) coating



Polyester reinforcing layer for high elasticity and mechanical strength

Flexibility and workability guaranteed even at low temperatures

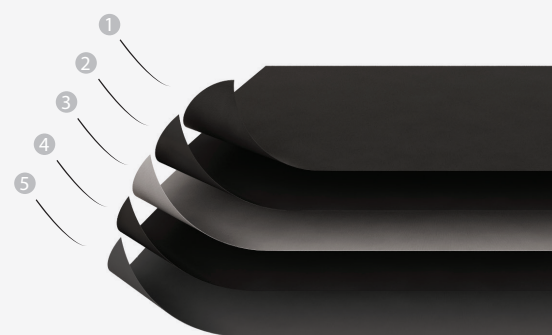


## TECHNICAL SPECIFICATIONS

| property                           | standard               | value                                  |
|------------------------------------|------------------------|----------------------------------------|
| Mass per unit area                 | EN 1849-2              | 1100 g/m <sup>2</sup>                  |
| Thickness                          | EN 1849-2              | 1.1 mm                                 |
| Straightness                       | EN 1848-2              | conforming                             |
| Water vapour transmission (Sd)     | EN 1931 / EN ISO 12572 | 55 m                                   |
| Maximum tensile force MD/CD        | EN 12311-1             | 650 / 500 N/50 mm                      |
| Elongation MD/CD                   | EN 12311-1             | 45 / 50 %                              |
| Resistance to tearing MD/CD        | EN 12310-1             | 230 / 230 N                            |
| Watertightness                     | EN 1928                | class W1                               |
| UV resistance *                    | EN 13859-1             | 4 months                               |
| Temperature resistance             | -                      | -40 / +100 °C                          |
| Reaction to fire                   | EN 13501-1             | class E                                |
| Resistance to penetration of air   | -                      | 0 m <sup>3</sup> /m <sup>2</sup> h50Pa |
| After ageing:                      |                        |                                        |
| • maximum tensile force MD/CD      | EN 13859-1             | 520 / 400 N/50 mm                      |
| • watertightness                   | EN 13859-1             | class W1                               |
| • elongation MD/CD                 | EN 13859-1             | 35 / 40 %                              |
| Flexibility at low temperature     | EN 1109                | -45 °C                                 |
| Dimensional stability              | EN 1107-2              | -0.5 / 0.5 %                           |
| Thermal conductivity (λ)           | -                      | 0.20 W/mK                              |
| Specific heat                      | -                      | 120 J/kgK                              |
| Density                            | -                      | approx. 1000 kg/m <sup>3</sup>         |
| Water vapour resistance factor (μ) | -                      | approx. 50000                          |
| Recommended installation pitch     | -                      | > 5°                                   |

\* for more indications, see page 19

## COMPOSITION



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

## CODES AND DIMENSIONS

| code    | ex code | description | tape | H x L [m] | A [m <sup>2</sup> ] | pcs/ |
|---------|---------|-------------|------|-----------|---------------------|------|
| BYT1100 | D36602  | BYTUM 1100  | -    | 1.0 x 25  | 25                  | 24   |

Available with integrated double tape on request (code BYTTTT1100)

WHERE CAN IT BE APPLIED?

