



## blaugelb Windprotect UV 2SK

Vapour-permeable 3-layer sarking membrane and roofing underlay

### Product features:

blaugelb Windprotect UV 2SK is a vapour-permeable, 3-layer sarking membrane and roofing underlay that was specially developed for use on pitched roofs. It is comprised of two water-repellent polypropylene spunbonds, between which a UV+ special functional membrane is embedded that guarantees an increased UV-resistance.

The underlay can be installed directly on the timber construction as well as on the thermal insulation. In addition to its application as sarking or an underlay, blaugelb Windprotect UV 2SK is also suitable as a temporary covering for up to eight weeks in accordance with the specifications of the ZVDH. The double self-adhesive edge enables fast and secure bonding of the underlay joints.

The bonding of smaller damages and butt and overlapping joints is performed with blaugelb Universal Roof Tape (in the widths 60 mm, item no. 9363500, 100 mm, item no. 9363501 or 150 mm, item no. 9363502)

- 3-layer UDB/USB for use on pitched roofs
- Increased UV-resistance thanks to UV+ special functional membrane
- Option of direct installation on timber construction or thermal insulation
- Suitable as temporary covering for up to 8 weeks (in acc. with ZVDH)
- Tested for harmful substances, suitable for sustainable building (QNG-ready)

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or blaugelb Façade Tape UV (item no. 9363503). Larger-scale damage to the sarking membrane is to be professionally repaired with a cutout of the original sheet and the specified adhesive tapes.

Technical data:

|                                                                                   |                                                                                             |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Material (functional layer):                                                      | UV+ special functional membrane                                                             |
| Material (carrier material):                                                      | Polypropylene spunbond                                                                      |
| Grammage:<br>acc. to <b>EN 1849-2</b>                                             | 150 g/m² or 220 g/m²                                                                        |
| Thickness:<br>acc. to <b>EN 1849-2</b>                                            | 0.7 mm                                                                                      |
| Dimensional stability:<br>acc. to <b>EN 1107-2</b>                                | < 1 %                                                                                       |
| Fire behaviour:<br>acc. to <b>EN 13501-1</b>                                      | Class E                                                                                     |
| Resistance to water penetration:<br>acc. to <b>EN 1928</b>                        | Class W1                                                                                    |
| Value after artificial ageing:<br>acc. to <b>EN 1297/1296</b>                     | Class W1                                                                                    |
| Tensile strength/maximum tensile force longitudinal:<br>acc. to <b>EN 12311-1</b> | 310 N/50 mm or 390 N/50 mm                                                                  |
| Tensile strength/maximum tensile force transverse:<br>acc. to <b>EN 12311-1</b>   | 300 N/50 mm or 250 N/50 mm                                                                  |
| Elongation longitudinal:<br>acc. to <b>EN 12311-1</b>                             | 55 % or 70 %                                                                                |
| Elongation transverse:<br>acc. to <b>EN 12311-1</b>                               | 35 % or 80 %                                                                                |
| Tear resistance/nail shank longitudinal:<br>acc. to <b>EN 12310-1</b>             | 190 N/200 mm                                                                                |
| Tear resistance/nail shank transverse:<br>acc. to <b>EN 12310-1</b>               | 200 N/200 mm or 210 N/200 mm                                                                |
| Values after artificial ageing:<br>acc. to <b>EN 1297/1296</b>                    | > 75 % of the new value                                                                     |
| Increased requirement for artificial ageing:<br>acc. to <b>EN 1297/1296</b>       | +100 °C                                                                                     |
| Cold bending properties:<br>acc. to <b>EN 1109</b>                                | -40 °C or -30 °C                                                                            |
| Water vapour permeability:<br>acc. to <b>EN ISO 12572</b>                         | sd-value 0.06 m                                                                             |
| Resistance to air penetration:<br>acc. to <b>EN 12114</b>                         | < 0.1 m³/(m²·h·50 Pa)                                                                       |
| Temperature resistance:<br>acc. to <b>EN 13859-1</b>                              | -40 °C to +100 °C                                                                           |
| UV resistance:                                                                    | > 3 months                                                                                  |
| Resistance to driving rain:<br>tested by <b>TU Berlin</b>                         | Passed                                                                                      |
| Corresponds to Ö-Norm – Tab. 5 + 6/application:<br>acc. to <b>B 3661/4119</b>     | UD do-k/rainproof sub-roof – ÖN                                                             |
| CSTB – certificate:                                                               | 17-004                                                                                      |
| Suitability as a material for temporary covering:                                 | 8 weeks with seam and perforation securing                                                  |
| ZVDH product data sheet – class:                                                  | UDB/USB – Class 5 - 3                                                                       |
| Underlay width:<br>acc. to <b>EN 1848-2</b>                                       | 1.50 m                                                                                      |
| Roll length:<br>acc. to <b>EN 1848-2</b>                                          | 50 m                                                                                        |
| Roll weight:                                                                      | 12 kg or 16 kg                                                                              |
| Shelf life:                                                                       | 18 months<br>In original packaging, protected against sun and weather, do not stack pallets |

| Product name                    | PU     | Item no. |
|---------------------------------|--------|----------|
| blaugelb Windprotect UV 150 2SK | 1 roll | 9363391  |
| blaugelb Windprotect UV 220 2SK | 1 roll | 9363392  |

Processing:

blaugelb Windprotect UV 2SK can be installed directly on the timber construction or the thermal insulation. Depending on the specific application, seams and joints that are formed can either be bonded or performed as a loose overlap. Installation generally starts from the bottom edge of the roof with an overlap of around 10 cm (identified by the self-adhesive overlapping marking) and is performed parallel to the eaves without tension and with as little sagging between the rafter gaps as possible.

To fasten it, the underlay is secured section by section with the staple gun and counter batten. We also recommend using blaugelb Nail Sealing Tape PE (item no. 9363499) as perforation protection between the counter batten and the blaugelb Windprotect UV 2SK. The fastening of the underlay is concealed in the overlapping area; fastenings on the surface or in an uncovered area are to be taped over or sealed.

If the minimum standard roof pitch is not maintained, additional measures must be considered in accordance with the technical regulations of the Deutsche Dachdeckerhandwerk or with the national specifications, among others.

The sarking membrane is installed across the ridge with an overlap of 30 cm. With uninsulated attics, ensure sufficient ventilation; in this case blaugelb Windprotect UV 2SK should not be installed over the ridge.

blaugelb Windprotect UV 2SK is not a permanent covering material and should be covered as soon as possible. As a temporary covering, the underlay can be used in accordance with the specifications of the TU Berlin (ZVDH product data sheet) for the specified period at a minimum pitch from 14° if the tightness to wind and water is ensured by means of professional joint and seam bonding – ideally with the self-adhesive edge and additional perforation protection through blaugelb Nail Sealing Tape PE (item no. 9363499).

Before the final covering, we recommend checking all fastenings and bonds and the underlay surface for any damage from external influences. Any necessary repairs or rework should be performed before further processing.

For the proper function of the sarking membrane, the entire roof structure must be designed in accordance with the currently valid technical regulations from the Zentralverband des Deutschen Dachdeckerhandwerks (ZVDH).

Delivery and storage form:

In its original packaging, blaugelb Windprotect UV 2SK rolls must not be exposed to direct sunlight or to weather if stored for a longer period (max. 18 months).  
When storing for over a year, the self-adhesive liner may be more difficult to remove. The pallets must not be stacked on top of one another.

Disposal:

Scraps of blaugelb Windprotect UV 2SK can be disposed of in the general waste. The disposal generally conforms with the national and local specifications.