

Permo[®] extreme RS SK²

Bondable underlay for a rainproof subroof



Installation

Klober recommends Butylon[®] tape should be laid underneath where the battens are due to be fixed, to seal around any nail penetrations. The head lap of the membrane needs to be 100mm when laid so the 2 adhesive strips will meet, therefore no need for any other adhesives.

An unsupported underlay should provide a drape between rafters sufficient enough to ensure that any water will run away from the batten fixing nail penetrations at rafters, and allows it to drain to the eaves gutter. Contact between the membrane and the roof covering should be avoided during and after installation.

Permo[®] extreme RS SK² should be laid with a maximum drape of 10 – 15mm.

Permo[®] extreme RS SK² is a tear-resistant underlay. It has double, self-adhesive strips which provide a permanent seal of overlaps and immediate weatherproofing protection against wind, rain and snow. Klober accessories are essential when being laid as key primary barrier. These are especially coordinated with the layer and included in the warranty.

Product features & benefits

- Double self-adhesive strips permit permanent wind and water-proof sealing of overlaps (shear resistance > 300 N tested)
- High-temperature stability at peaks up to 100°C and highly UV-resistant
- Fleece with capillary stop controls the formation of condensation water. Robust PES fleece ensures improved mechanical load capacity, thus facilitating the use on sheathing.

Area of application

Suitable for:

- Minimum roof pitch of 12.5° for profile tiles, 15° for slates and 22.5° for plain tiles
- Meets the requirements as a roof support system with improved raintightness according to ÖNORM
- Can be deemed as a primary barrier as long as covered by UV protected layer eg tiles, slates, etc.
- Is vapour permeable however under BS5250 is classed as a HR underlay so requires ventilation

Material

Glueable two-layered underlay with monolithic TPU coating on extremely tear-resistant PES fleece

Product code / Roll size / Roll weight

KU0171-11 / 50 x 1.5m (75m²) / 18kg

Accessories

- KU0103 / KU0104 Butylon[®] Tape

Certification

- CE certified

TECHNICAL DATA

Weight	approx. 240g/m ²
Water vapour transmission EN 12572 (s _d value)	0.08 m
Reaction to fire EN 13501-1, EN 11925-2	E
Water column, EN 20811	> 4,500 mm
Resistance to water penetration EN 1928	W1
Resistance to air penetration	< 0.1 m ³ /m ² h 50 Pa
Tensile strength longitudinal / transverse EN 12311-1	310N/5 cm 360N/5 cm
Elongation longitudinal / transverse EN 12311-1	45% 55%
Resistance to tearing (nail shank) longitudinal / transverse EN 12310-1	215N 200N
Resistance to temperature	-40°C / +100°C
UV-resistance* / Natural weathering	4 months
Temporary roofing	8 weeks
Driving rain test (TU Berlin)	passed

*The Underlay can be used to provide temporary weather protection; however an exposed underlay will be subjected to UV light which may lead to premature failure; therefore, the exposure period should be kept to a minimum. An underlay is not a total waterproof barrier and if used as a temporary waterproof covering, some rain penetration may occur. In certain conditions, particularly if there is persistent heavy rainfall combined with subsequent severe freeze/thaw conditions, an underlay should not be exposed for more than a few days. (BBA)

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