Application Instructions
Protect-proof 1K PU

Substrates:

The substrate must be dry and free of oils, loose particles and other substances that impair adhesion. Ceramic substrates must be mechanically roughened; mineral substrates should be mechanically roughened.

Primer:

Follow the priming instructions or consult Protect Proof Technical Support.

Material preparation:

Open the container and stir the material using a slow-speed mixer.

Waterproofing of surfaces:

Apply 2/3 of the ready-to-use Protect-proof 1K PU (at least 2.0 kg/m²) to the surface to be waterproofed and distribute evenly with a fleece roller. Work wet-on-wet.

Embed the polyester fleece into the applied material, allowing it to absorb the coating. Then apply the remaining 1/3 of Protect-proof 1K PU (at least 1.0 kg/m²).

Saturate the fleece completely using a fleece roller.

Then roll out any trapped air bubbles using a fleece roller.

Protect-proof 1K PU is rain-resistant after approx. 30?45 minutes and walkable after approx. 6?8 hours (at +20 °C / 50% relative humidity).

Additional coats must be applied within 24 hours. After 24 hours, roughen the Protect-proof 1K PU surface.

Waterproofing upstands / junctions:

Prepare and prime the substrate as described for surface waterproofing.

Cut the fleece generously for junctions. For wall junctions, a 25 cm wide strip is recommended: 15 cm up the wall and 10 cm onto the surface.

Where a junction runs over more than one edge (e.g. a parapet), use several fleece sections. Adjacent sections must overlap by at least 5 cm.

Fleece-reinforced waterproofing can be applied as follows:

- **Apply 2/3 of the material (min. 2.0 kg/m²)**
- **Embed polyester fleece**
- **Apply remaining 1/3 (min. 1.0 kg/m²)**

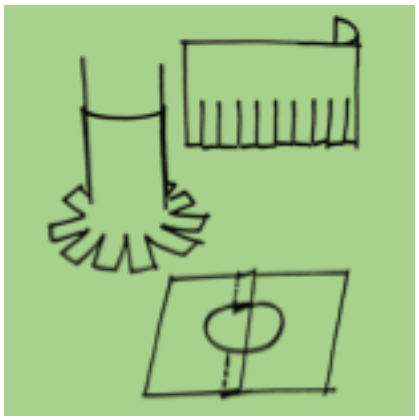
Cut the fleece, fold it around the corner and fit it into place. Smooth out air pockets, then saturate completely with Protect-proof 1K PU.

Proceed similarly with the second fleece strip. Precoat the upstand with material and embed the fleece.

Waterproofing a roof vent:

Prepare a polyester fleece collar. Coat the substrate with Protect-proof 1K PU and apply the polyester reinforcement fleece. Then saturate completely with Protect-proof 1K PU.

When positioning the fleece strip, ensure an overlap of at least 5 cm. Cut the fleece, fold it about 5 cm around the corner and trim. Smooth out air pockets and saturate completely with Protect-proof 1K PU.



Proceed in the same way with the remaining sections.

Note:

For a uniform appearance, the junction may be broadcast with slate chippings. This requires an additional application coat of approx. 0.5?1.0 kg/m² Protect-proof 1K PU. Additional coats must be applied within 24 hours.

After 24 hours, roughen the surface of Protect-proof LF 1K.

Waterproofing a rooflight:

Prime the rooflight upstand and adjacent waterproofing areas if necessary. Cut polyester fleece strips to size; their width depends on the height of the upstand and the required overlap onto the roof surface.

Coat the rooflight upstand with Protect-proof 1K PU and position the polyester fleece strip.