Application Instructions
Protect-proof LF 1K

Substrates:

The substrate must be dry and free from oils, loose particles and other substances that may 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 flat surfaces:

Apply 2/3 of the ready-to-use Protect-proof LF 1K (min. 2.0 kg/m²) to the surface to be waterproofed and distribute evenly with a paint roller. Application is carried out wet-on-wet.

Embed the polyester fleece in the applied material. The fleece will begin to absorb the material. Then apply the remaining 1/3 of Protect-proof LF 1K (min. 1.0 kg/m²).

Saturate the fleece completely using a paint roller.

Then roll out any trapped air bubbles with a paint roller.

Protect-proof LF 1K waterproofing is rain-resistant after approx. 30?45 min and walkable after approx. 2?2.5 hours (at +20 °C / 50% relative humidity).

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

Waterproofing upstands/joints:

Prepare and prime the substrate as for flat-surface waterproofing.

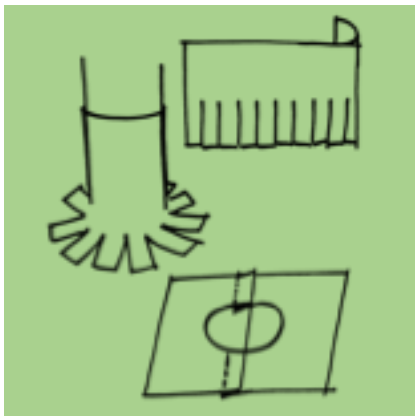
For junctions, cut the fleece generously. For wall junctions, a 25 cm wide strip is recommended: 15 cm up the wall and 10 cm across the flat surface. For junctions around more than one edge (e.g. parapets), use several separate pieces. Adjacent pieces must overlap by at least 5 cm.

Fleece-reinforced waterproofing can be applied as follows:

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

Waterproofing a vent pipe:

Make a polyester fleece collar, coat the substrate with Protect-proof LF 1K and apply the polyester reinforcement fleece. Then saturate completely with Protect-proof LF 1K.



Waterproofing a rooflight:

Prime the rooflight upstand and adjoining areas of the waterproofing surface if necessary. Cut polyester fleece strips to size; the required width depends on the height of the upstand and the width of the junction on the flat surface.

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

Then cut the fleece, fold it around the corner and wrap the edge. Smooth out trapped air and fully saturate with Protect-proof LF 1K.

Proceed similarly with the second fleece strip. Pre-coat the upstand and embed the fleece.

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

Repeat the same procedure for the remaining pieces.

Note:

For visual matching, the junction can be broadcast with slate chippings. An additional application coat of approx. 0.5?1.0 kg/m² of Protect-proof LF 1K is required. Additional coats must be applied within 24 hours.

After 24 hours, the Protect-proof LF 1K surface must be roughened.