

Installation instructions SafeOne

Storage: carefully store SafeOne in dry conditions and protected from heat and UV. Store it horizontally and use clean hands to install the material. Avoid folding the material.

Tools:

A clean dry table to cut membrane to size

A sharp Stanley type knife and clean blades

Straight edge for clean straight cuts

Clean sharp scissors

Masking tape and brushes for glue application

Note:

Where SafeOne is glued to a sub straight use Powerlon N55 glue (tins) .

For all overlaps use FlameOut cartridge glue (310 ml).

Cutting: Cutting the roll material can be cut by using a saw. The membrane can be cut with a clean Stanley type knife and a straight edge or sharp scissors.

Installation: Unroll and install the material with the black coated side facing to the outside. Tension the material (pull it tight) and fix mechanically or use Powerlon N55 glue to apply to sub straight for open façade projects. It is important to mechanically fix (by using staples or counter battens) or glue fix the material first before gluing the overlaps, corners, ends, etc.

Bonding to different surfaces: Adhere the white backside of the material to the supporting structure (e.g. wood, aluminium, steel, concrete) with Powerlon N55 glue. Always shake the tin of glue before use and fill the special bottle. The supporting structure is to be clean and free from dust. Put the Powerlon N55 glue on the supporting structure with a brush using the dispenser and spread the glue to 50mm wide, press backside of the SafeOne onto the wet glue. It is important that the glue is still wet. Use approx. 40 g / LM of overlap. In case of an absorbing supporting structure, prime this first with the same Powerlon N55 glue.

Making overlaps: Overlaps can be made mechanically by eg stapling the underlap. In case of open facades, the overlap needs to be glued on top of the underlap to seal the joint. In case of closed facades a mechanical fix can be made by using staples or e.g. battens. Only use the FlameOut Glue (cartridge of 310 ml) to seal overlaps. All overlaps vertically and horizontally need to be a minimum of 50mm. Firstly unroll the roll of the bottom layer and glue or fix in place, than unroll and position the top layer with a minimum 50mm overlap. In case a straight, clear and clean overlap is required (e.g. in case of an open façade), use a temporary self-adhesive tape next to the edge of the material which should be taken away immediately after the glue is added. When using the cartridge create a line of glue of 8mm width on the bottom layer and then gently press the membranes together to seal the overlap and therefore spreading the glue line to 40mm width and 1mm high. It is highly recommended to make a test overlap first.

Connections to windows: Connections to wood, pvc or metal window frames, please see above (Powerlon N55 Glue for sub straight). Note: spillage or over-usage of glue is difficult to remove. Use e.g. masking tape before glueing.

Repairs: Cut a round patch of the SafeOne membrane and use FlameOut Glue (cartridge) to adhere it to the membrane.

Important:

- Use both Powerlon N55 glue and FlameOut Glue at temperatures between +5 and + 40 degrees Celcius.
- Always tension the material and mechanically (hidden) fix and cover the membrane. Ensure clear and proper connections to other construction parts like window frames.
- In case of a ventilated cavity behind the membrane, ensure a stable fixing of FlameOut Breather A.
- Use Powerlon N55 glue for adhering the membrane to a supporting construction.
- Use FlameOut glue cartridge for sealing the overlaps of the membrane.