

ProFlect Roofing

Description and application

ProFlect Roofing is a 1-component waterproof coating based on special rubber compounds. Once fully cured, it forms a colour-stable and durable layer with strong, heat-reflective properties.

It slows down the heating of buildings, thereby reducing (air conditioning) energy consumption and lowering your CO₂ footprint.

Suitable for upgrading and renovating flat and pitched roofs. Also ideal as a waterproofing layer beneath tiles in sanitary areas.

In addition, it can be applied as a finishing and protective layer for sprayed foam insulation systems.

Article number and packaging

18110-5	5 kg
18110-10	12,5 kg
18110-20	17,5 kg

Properties

- Waterproof yet vapour-permeable (breathable)
- Slows down the heating of buildings
- Resistant to prolonged standing water
- High heat reflection, reducing surface temperature up to 45 °C
- Excellent thermal stability
- Walkable in both low and high temperatures
- UV-resistant (colourfast)
- Moderate to good chemical resistance
- Can be applied to a wide range of surfaces
- Contains no plasticisers
- Fast drying

Elongation	65% (DIN 53504)
Tensile strength	1 MPa (DIN 53504)

Adhesion strength

Concrete	> 0,90 MPa (DIN 53504)
Wood	> 1,70 MPa (DIN 53504)
Steel	> 1,20 MPa (DIN 53504)
EPDM smooth type	> 0,65 MPa (DIN 53504)
EPDM structured type	> 0,90 MPa (DIN 53504)
Bitumen	> 1,20 MPa (DIN 53504)
PVC new single ply	> 0,30 MPa (DIN 53504)
PVC weathered	> 1,00 MPa (DIN 53504)

Properties liquid product

Colour	White
Finish	Silk-matt
Density	1,3 kg/l
Volume solids	60%
Shelf life	At least 6 months after the date of production, if stored cool in unopened packaging and protected against frost. Products should always be placed on pallets to avoid direct contact with the floor.

Application information

Method	Roller, brush, airless spray
Usage	0,25 – 0,5 kg/m ² /layer <i>Apply crosswise in at least 2 coats</i>
Touch dry*	20 – 25 minutes
Walkable*	Approx. after 1 hour
Recoat time*	20 – 25 minutes
Dilution	Max. 10% clean water
Rinsing agent	Water. Dispose of waste appropriately.

Surface

Highly porous surfaces must first be pre-treated with Prokol AquaSeal.

For detailed information regarding surface pre-treatments, please consult the information sheet "Surface Pre-treatment".

Application and circumstances

Roller application

For roller application, apply the product in two crosswise coats to achieve the most uniform layer thickness possible.

Spray application

Application with spray equipment Pump: Hydraulically driven airless spray units*

Spray tip	HD Heavy Duty 531-533
Gun	Heavy Duty version/ Inline gun for heavy materials
Pressure	Approx. 250 bar
Output p/min	> 5,9 ltr/min
Hose diameter	3/8" "static free" hose. min. length 15 m
Pressure loss height	Approx. 1 bar per rising metre
Pressure loss hose diameter	Approx. 2 bar with 1/2" hose compared to 3/8" hose

* At 20 °C and 65% RH surface.
** At 1 kg and 20 °C product.



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*Depending on the type of spray system, settings may vary and should be adjusted if necessary. Always check the spray pattern beforehand. Ensure in advance that the correct pump capacity or pump type is being used.

Complete roofing system

When using the product as a complete roofing system, it is recommended to reinforce all seams, transitions, and edge connections with ProFibre (reinforcing fleece). This ensures sufficient layer thickness and strength at critical points. Under certain conditions, it may be advisable to cover the entire roof surface with a fleece layer.

Always apply the material in stable weather conditions.

Mixing instructions

The product must be mechanically stirred before use.

Important

Projects and applications can vary greatly. Always contact your supplier if you have doubts about a certain application, choice of material or surface treatment.

All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, surfaces and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given. Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned. Copies of the most recent editions are provided upon request and are available at www.prokol.com.

All our deliveries, acceptance of assignments, communications, advice, and agreements are subject to our general terms and conditions of delivery, filed with the Chamber of Commerce in Eindhoven under number 52327159. Any other terms and conditions are hereby expressly rejected.

The publication of this product information sheet makes all previous product information sheets for this product invalid.

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