

# ProFlect HR

## Description and application

ProFlect HR is a 1-component waterproof coating based on special types of rubber. 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 your carbon footprint.

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

Additionally, it can be used as a finishing and protective layer for sprayed foam insulation systems.

## Article number and packaging

18100-10	12,5 kg
18100-20	25 kg

## Properties

- Waterproof but vapor-permeable (breathable)
- Resistant to prolonged standing water
- High heat reflection and reduces surface temperature by up to 45°C
- Excellent thermal stability
- Walkable at both low and high temperatures
- UV-resistant (colourfast)
- Moderate to good chemical resistance
- Can be applied to a wide range of substrates
- Contains no plasticizers
- Fast drying

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

## Adhesion strength

Concrete	> 0,90 MPa
Wood	> 1,70 MPa
Steel	> 1,20 MPa
EPDM smooth type	> 0,65 MPa
EPDM structure type	> 0,90 MPa
Bitumen	> 1,20 MPa
PVC single ply new	> 0,30 MPa
PVC weathered	> 1,00 MPa

## Properties liquid product

Colour	White
Finish	Satin-matt
Density	1,3 kg/l
Volume solids	60%

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

Shelf life	At least 6 months after the date of production, if stored cool in unopened packaging and protected against frost. Drums should always be placed on pallets to avoid direct contact with the floor.
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## Application information

Method	Brush, roller, airless spray
Usage	0,25 – 0,50 kg/m <sup>2</sup> /layer <i>Apply crosswise in at least 2 layers</i>
Dust-dry*	20 – 25 minutes
Application 2 <sup>nd</sup> layer	20 – 25 minutes
Dilution	Maximum 10% clean water
Rinsing agent	Water. Dispose of waste properly.

## Mixing instructions

The product must be mechanically stirred before use.

## Notes during application

When applying with a roller, apply the product in two crosswise layers to achieve the most uniform layer thickness possible.

When the product is used for waterproofing, it is recommended to reinforce all joints, transitions, and wall-floor connections with a reinforcement fabric. This ensures sufficient thickness and strength at critical points.

Always apply the material during stable weather conditions.

## Surface and circumstances

The substrate must be clean and free of oil and grease. Loose particles such as slate chippings must be removed. The substrate may be damp, but any standing water must be eliminated.

Cement-based substrates must be at least 28 days old.

Highly porous substrates should first be treated with ProFlect Primer.

Bitumen-based roofing must have been exposed to weather conditions for at least six months.

Adhesion to existing coatings and synthetics must be tested in advance. In case of doubt, contact your supplier.

## 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.



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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.

All orders are accepted under the current sales and delivery conditions. 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](http://www.prokol.com).

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

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