

White reflective coating for flat roofs

Application

- Suitable for coating flat roofs e.g. for light reflection
- Can be used as a reflective coating under solar panels
- Can be used as a restorative coating on flat roofs with roofing

Properties

- Ready to use.
- Sun-resistant and energy-efficient.
- Provides maximum reflection of sunlight and reduction in surface temperature.
- Increases the yield of solar panels.
- Allows for easier cleaning of flat roofs.

Directions

Preparation

- The substrate must be sufficiently load-bearing, healthy and clean. Any doubtful or loose layers must be removed.
- Make sure the substrate is sufficiently dry before applying the coating.
- The coating can be directly applied to cleaned roofing.

Work method

- Leak repair
 - o **Coolroof** is not a sealant. Leaks should be sealed beforehand. This can be done on the spot using Inducryl AW.
- Application
 - o Apply **Coolroof** in two layers with a layer thickness of 500 µm each (0,5 mm per layer or 0,5 ltr/m²).
 - o Wait for the first coat to dry before applying the second one. This way, the first coat will block any oils potentially coming from the substrate.
 - o Apply with a roller or sprayer.

Important remarks

- New roofing or roofing not yet exposed to UV light can cause yellowing of the first layer. To stop this from bleeding through to the second layer, let the first coat dry before applying the second one.
- When used on EPDM, a layer of Metarust should be applied and then, after drying, a second layer of **Coolroof**.
- An adhesion test should always be performed on EPDM before carrying out the work.
- Apply at ambient and surface temperatures between +10°C and +30°C.

Technical characteristics

Density	+/- 1,3
Viscosity	25.000-30.000 mPas (Brookfield Spindle 4, 4 rpm)
SRI (Solar Reflectance Index)	101 (according to ASTM E1980-11)
Decrease in substrate temperature	ca. 20°C (Coolroof compared to roofing) up to 40°C.*
Increased yield of solar panels	0,5% *
Tensile strength - elongation	ca. 250%
Total drying time	3 days
Type of raw material	acrylic emulsion
Solvent	water

* These values are indicative. Results depend on the orientation of the roof, the season, location of the solar panels etc.

Reports

- Buildwise – DE-EN-0117: energetic and lighttechnical reflection

Colors

White

Quantity to use

1,5 kg/m² in total

Packaging

25 kg

Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

Transport and storage

Transport and store away from frost. Protect the product and its packaging against direct sunlight. Avoid storage at temperatures >30°C.

Storage life

1 year after manufacturing in the original closed packaging.

Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.