



**Power-SunTherm / CoolRoof -B-**  
Single component roof coating, acrylate-based,  
reflects up to 95% of infrared A radiation, covers  
cracks, expansible, elastic, waterproof, adheres firmly  
to the subsurface of Power-SunTherm -A-, with  
fungicide and anticorrosive properties.

#### **Product description**

Power-SunTherm / CoolRoof -B- protects roofs from excessive heating due to its high IR-A reflecting properties (95%) and is thus ideally suitable for providing heat insulation in summer time. Using the "tile-red" shade, the infrared-A reflection is still 61%. This way savings on air conditioning costs in factory buildings, residential buildings, animal stalls, etc. are achieved. Power-SunTherm / CoolRoof -B- overlays periodic changes in crack widths, even at temperatures below -20°. It is resistant to the usual changes in atmospheric conditions. The material is thermoplastic, and so on horizontal surfaces there is a tendency for dirt to collect.

#### **Uses**

As protection from heating of roofs, etc. and high air conditioning costs in the case of existing surfaces treated with bitumen, e.g.: roofing felt etc. while at the same time it overlays cracks due to movement of the building, as well as sheet metal roofs. Highly suitable for badly weathered fibre cement sheets, cement and clay tiles, as well as concrete tiles. In the case of asbestos cement it is essential to observe TRG 519 (Technical Regulations regarding Hazardous Substances). Before applying Power-SunTherm / CoolRoof -B- , always apply the required coat of Power-SunTherm / CoolRoof -A- primer.

#### **Base surface**

The base surface must be stable, clean, dry and free of oil, grease and dust and free of any components which might act as a separating agent. Remove rust and dust from metal surfaces. In the case of galvanised sheet metal surfaces and sheet metal parts which are not sufficiently weathered, before painting, treat with 7% hydrochloric acid and then rinse generously with water to neutralise the acid. Plastomer-modified bitumen roofing felt must have been weathered for at least 6 months.

## Application

Power-SunTherm / CoolRoof -B- can be applied by brush, roller or sprayed with an airless device. When spraying, all the filters must be removed from the device and a nozzle size of at least 0.79mm is required. The painting should be done rapidly with a brush or a flat wall brush in one continuous coat; short pile lambswool rollers are very suitable for this job. All the same, spraying is the recommended choice. Before applying Power-SunTherm / CoolRoof - B - , always mix well for 2 minutes using a paint-spinner. Tools and equipment should be wetted with water before use. After use, close the drum tightly.

## Cleaning equipment

Clean immediately with water after use

## Quality

The use of tried and tested and continuously checked raw materials assures consistent high quality standards. The latest production facilities ensure the same product characteristics every time.

## Storage

1 year at a temperature of at least +10° and an unopened drum.

## Delivery form

In 30 kg drum

## Technical data

<b>Density:</b>	approx. 1.20 g/cm <sup>3</sup>
<b>Coverage:</b>	approx. 125-150 g/m <sup>2</sup> per coat depending on base surface (minimum coat thickness when dry 125 µ)
<b>Coats:</b>	min. 1 coat, the material must be spread evenly ensuring a coat of standard thickness
<b>Working temperature of base surface:</b>	min. +8° up to maximum +45°C
<b>Drying times between coats:</b>	min. 16 hours at 23°C
<b>Dust dry:</b>	in approx. 2 hours at 23°C and 60% rel. humidity
<b>Hard dry:</b>	approx. 24 hours at 23°C and 60% rel. humidity
<b>Colour shades:</b>	based on RAL colours (tile red, light grey and white)

With coloured coating materials, small differences in shades of colour, as a result of different production batches, are unavoidable. This should be taken into consideration when carrying out the work. If a uniform colour scheme is required, then adjacent sections should be carried out with the same batch (see label).

The specifications in this leaflet are based on our technical knowledge and experience at the present time. Due to the many possible influences on the

use and application of our products, they do not exempt the user from undertaking his own tests and trials, and represent only non-binding guidelines. A legally binding guarantee of certain characteristics or the suitability for a specific use cannot be inferred. Any rights to industrial property or existing legislation and stipulations must at all times be observed under the user's own responsibility. This technical bulletin replaces all previous data sheets and renders them invalid.

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