

# PRODUCT DATA SHEET

## SikaCoat®-300 Cool

### MULTIPURPOSE ELASTIC ACRYLIC BASED LIQUID APPLIED MEMBRANE

#### DESCRIPTION

SikaCoat®-300 Cool (Formally known as SikaFill® MY) is an elastic covering of creamy consistency, using styrene-acrylic copolymers in watery emulsion which, once dry, forms a flexible, waterproofing and durable film.

#### USES

Waterproofing of roofs on different types of substrates:

- Roof Tiles
- Zinc and metal
- Brick, mortar and concrete

Protection of partition walls against surface water filtrations:

- Vertical side walls, pipings, etc.
- Bridging of joints and cracks

When applying on PVC or polyester substrates, and on paint, it is recommended to carry out trial applications to determine the compatibility of SikaCoat®-300 Cool to the substrate and whether it is necessary to carry out substrate preparation (eg. sanding, priming, etc.) prior to full scale application.

#### CHARACTERISTICS / ADVANTAGES

- Environmentally preferred coating: water based, non-toxic
- Waterproof to rain and splashes
- Excellent high solar reflectivity (white colour finished)
- High elasticity
- Easy application
- Excellent hiding power
- Excellent UV stability
- Crack bridging ability
- Impermeable
- Good adhesion to most substrates: concrete, mortar, fibrocement, tiles, bricks, steel, zinc, aluminium, bituminous

#### APPROVALS / STANDARDS

Singapore Green Label 032-118-2801 "Environmentally Preferred Coating" in accordance to SEC Green Label Category 32: Paint and Surface Coating Version 1.

#### PRODUCT INFORMATION

|                    |  |
|--------------------|--|
| <b>Composition</b> | Watery emulsion using styrene-acrylic copolymers   |
| <b>Packaging</b>   | <ul style="list-style-type: none"> <li>▪ 4 kg pail</li> <li>▪ 20 kg pail</li> </ul>  |
| <b>Colour</b>      | <ul style="list-style-type: none"> <li>▪ White</li> <li>▪ Grey</li> <li>▪ Also available in other colours upon request. (Subject to minimum order quantity)</li> </ul> |
| <b>Shelf Life</b>  | 12 months from date of production  |

**Storage Conditions** Store properly in original, unopened, undamaged sealed packaging in dry condition at temperature between +5 °C and +30 °C. Protect from direct sunlight.

**Solid content by weight** ~60 %

## TECHNICAL INFORMATION

**Tensile Strength** ~0.8 MPa (ASTM D412)

**Elongation at Break** ~260 % (ASTM D412)

**Adhesion in Peel** ~1.2 N/mm<sup>2</sup> (EN 1542)

## SYSTEM INFORMATION

### System Structure

#### For vertical wall

|          |  |                                |
|----------|--|--------------------------------|
| Priming  | 1 x SikaCoat®-300 Cool<br>+ 10 % water | 0.3 kg/m <sup>2</sup>          |
| Top coat | Min. 2 x SikaCoat®-300<br>Cool         | 0.3 kg/m <sup>2</sup> per coat |

#### For roof and terrace

|          |  |                                 |
|----------|--|---------------------------------|
| Priming  | 1 x SikaCoat®-300 Cool<br>+ 10 % water | 0.5 kg/m <sup>2</sup>           |
| Top coat | Min. 2 x SikaCoat®-300<br>Cool         | 0.75 kg/m <sup>2</sup> per coat |

The consumption above are approximates and does not include wastages. For porous substrates, the consumption may be higher.

## APPLICATION INFORMATION

**Ambient Air Temperature** +5 °C min. / +35 °C max.

**Substrate Temperature** +5 °C min. / +35 °C max.

**Drying Time** > 3 hours depending upon ambient conditions

## APPLICATION INSTRUCTIONS

### MIXING

Mix SikaCoat®-300 Cool (manually or with a low-revolution mixer) until it is completely homogeneous.

### APPLICATION

Apply with a short hair wool roller, brush or by airless spray.

#### Priming

Dilute SikaCoat®-300 Cool with 10 % water. Stir gently until the mix is homogenous and a uniform colour is achieved. Using a short-hair roller or brush apply a layer of the diluted SikaCoat®-300 Cool onto the substrate, observing that it penetrates well in all the cracks.

#### Top Coat

After the primer has dried (> 3 hours at +30 °C), apply successive layers of SikaCoat®-300 Cool to the desired film thickness. Ensure the previous layer is completely dry before applying the next layer.

### CLEANING OF TOOLS

Clean all tools and application equipment with water

immediately after use. Hardened material can only be removed mechanically.

## IMPORTANT CONSIDERATIONS

- SikaCoat®-300 Cool should not be used in places where it is in permanent contact with water, eg. water tanks, pools, or in areas where flooding or condensation may occur.
- Do not place sharp objects on floor treated with SikaCoat®-300 Cool.
- A minimum of 2 coats of undiluted SikaCoat®-300 Cool must be applied.
- Cementitious substrates shall be > 28 days old prior to application of SikaCoat®-300 Cool. The substrate moisture shall be < 11 % and pH < 7.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regula-

tions the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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