

## PRODUCT DATA SHEET

# Cromar Hydrosil® Silicone Roof Coating

A liquid applied silicone roofing coating.

### PRODUCT DESCRIPTION

A high performance, moisture curing liquid applied silicone coating. Fast curing, durable, watertight and weatherproof barrier, excellent UV resistance.

### USES

- Single coat application.
- Direct-bond adhesion.
- Ideal for restoring and maintaining existing roof substrates.
- Forms a durable, vapour-permeable, watertight, and weatherproof barrier that provides long term resistance to degradation from natural weathering.

### CHARACTERISTICS / ADVANTAGES

- Highly durable
- UV resistant
- Fast curing
- Self-levelling
- Grey Finish

### PRODUCT INFORMATION

Packaging	3.78 L and 18.9 L Tins
Colour	Grey finish
Shelf Life	18 months from date of manufacture in unopened original container.
Storage Conditions	Store in a well-ventilated place between +1 and +23 °C. Keep cool. Store locked up. Can be stored in unheated warehouses during the cooler months without the risk of freezing. Keep out of direct sunlight and protect from extreme temperatures.
Density	ca. 1.47 g/cm <sup>3</sup> (+20 °C)
Volatile organic compound (VOC) content	ca. 13,9 % w/w

### TECHNICAL INFORMATION

Tensile Strength	1.29 MPa at +23 °C
Elongation at Break	256 % at +23 °C
Tear Strength	0.73 N/mm <sup>2</sup> at +23 °C
Consumption	1 L / 1.25 m <sup>2</sup>

<b>Curing Time</b>	Tack free	2-6 hours
	Full cure	72 hours

## VALUE BASE

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.

## LIMITATIONS

- Do not apply at ambient temperatures lower than +5 °C.
- Ensure that all surfaces are not wet or damp and that rain is not imminent during the application time, or for at least an hour after application.
- Not recommended for continuous immersion service, for use in cryogenic tank, or cold storage roofing applications without a vapor barrier.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- Prior to coating ensure all surfaces are clean, dry and free of dust, dirt, grease, wax and any other incompatible substances.
- Cover all flashing details, joints & seams using the Hydrosil® Seam Sealer & Detailer, ensuring it is thoroughly cured before applying Hydrosil® Silicone Roof Coating.

### MIXING

- Do not thin product with solvent or other solutions.
- Product may separate during shipping and storage, though it may still look mixed. Mix well before using.
- When product is in 18.9 L drums, use a 7.62 cm (3") minimum diameter-mixing blade. Hand mixing with a suitable mixing blade is acceptable. DO NOT OVER-MIX.
- Containers are packaged with a layer of dry nitrogen, to keep latent moisture from prematurely starting the curing process.
- Once opened, the product has a pot life of 2-6 hours, depending on relative humidity conditions.

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## APPLICATION

- Hydrosil® may be sprayed, rolled or brush applied.
- Coating must be evenly applied and pinhole free.
- Hydrosil® Coating should be applied at the recommended coverage of 1 L/1.25 m<sup>2</sup>.
- Application rates must be checked periodically to assure proper coating thickness. This may be done with a wet film gauge, or by checking coverage of a known quantity.
- After the Hydrosil® Seam Sealer & Detailer has thoroughly cured, pour base coat onto roof in a narrow pass for approximately 6 meters and spread with the squeegee or 45 cm applicator brush at an application rate designed to achieve the recommended coverage of 1 L/1.25 m<sup>2</sup>.
- Immediately back-roll the area evenly with an 23-45 cm roller, perpendicular to the squeegee pattern. Care should be taken to back-roll immediately before coating begins to dry.
- The Hydrosil® Silicone Roof Coating shall completely cover all expansion joint covers, parapets and flashings applied at an application rate designed to achieve the recommended coverage of 1 L/1.25 m<sup>2</sup>.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations 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.

## 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.