

## PRODUCT DATA SHEET

# SikaSeal®-330

Heat curing seam sealant for high temperature powder coat applications

**TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)**

Chemical base	Acrylic Plastisol
Color (CQP001-1)	White
Density	1.41 kg/l (11.8 lb/gal)
Application temperature	ambient 5 – 30 °C (41 – 86 °F)
Non-sag properties	Good
Curing conditions	standard 25 minutes at 200 °C (392 °F) <sup>A</sup>
Shore A hardness (CQP023-1 / ISO 48-4)	60
Tensile strength (ASTM D412)	3 MPa (430 psi)
Elongation at break (ASTM D412)	250 %
Service temperature (CQP513-1)	-25 – 90 °C (-13 – 194 °C)
Shelf life	9 months <sup>B</sup>

CQP = Corporate Quality Procedure

<sup>A</sup> substrate temperature<sup>B</sup> 23 °C (73 °F) / 50 % r. h.
**DESCRIPTION**

SikaSeal®-330 is a 1-component, cold-applied heat-curing sealant based on acrylic plastisols. It is a flexible sealant especially designed for sealing metals prior to a powder-coating process.

**PRODUCT BENEFITS**

- Capable of withstanding baking / curing temperatures up to 230 °C (446 °F)
- Superior compatibility with many powder coats and powder coating processes
- Bonds well to wide variety of substrates
- Very good application and tooling characteristics

**AREAS OF APPLICATION**

SikaSeal®-330 is suitable for seam sealing of truck bodies, cabs, and other manufacturing units and cures in the subsequent powder coat baking process. It is suitable for use with e-coated metals as well as treated aluminum and steel. It provides a Class A finish with a variety of powder coat chemistries. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

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SikaSeal®-330

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## CURE MECHANISM

SikaSeal®-330 is cured by heat. The cure rate depends on temperature and time of exposure. The most suitable heat sources are convection ovens. The minimum bake / cure temperature is 190 °C (374 °F) and the maximum must not exceed 230 °C (446 °F).

It is highly recommended to perform tests with original parts to ensure proper curing and function of the bonded part under original conditions.

## METHOD OF APPLICATION

### Surface Preparation

Surfaces must be clean, dry and free from grease, oil and dust.

Surface treatment depends on the specific nature of the substrates and is crucial for a long lasting bond. Adhesion must be verified by tests on original substrates.

### Application

SikaSeal®-330 can be processed between 5 °C and 30 °C (41 °F and 86 °F) with manual, pneumatic or electric driven piston guns as well as pump equipment.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

### Tooling and finishing

If needed, it is best to dry tool the sealant after application without the use of any chemical tooling or finishing agents.

If a chemical tooling or finishing agents is used, it must be tested for suitability and compatibility prior to use.

### Removal

Uncured SikaSeal®-330 can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically. Hands and exposed skin have to be washed immediately using a suitable industrial hand cleaner and water.

Do not use solvents on skin.

## Overpainting

SikaSeal®-330 is suitable for powder coating paint processes and is compatible with very light colors. For best results, the time between powder coat application and curing must be as short as possible.

All paints have to be tested by carrying preliminary trials under manufacturing conditions.

## STORAGE CONDITIONS

SikaSeal®-330 has to be kept between 5 °C and 25 °C (41 °F and 77 °F) in a dry place. Do not expose it to direct sunlight.

If SikaSeal®-330 is stored at higher temperatures the shelf life will be reduced.

## FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

## PACKAGING INFORMATION

Cartridge	300 ml
Unipack	600 ml
Pail	5 gal (US)
Drum	50 gal (US)

## BASIS OF PRODUCT DATA

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

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

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