



TBP Converting, Inc.
SikaSeal-330 PDS

PROVISIONAL PRODUCT DATA SHEET 2021 – 10 – 04

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 (uncured)		1.4 kg/l (11.7 lb/gal)
Application temperature	ambient	5 – 30 °C (41 – 86 °F)
Non-sag properties		Good
Cure conditions		25 minutes at 200 °C (405 °F)
Shore A hardness (CQP023-1 / ISO 7619-1)		65
Tensile strength (ASTM D412)		3 MPa (430 psi)
Elongation at break (ASTM D412)		300 %
Service temperature (CQP513-1)		-25 – 90 °C (-13 – 194 °F)
Shelf life (CQP016-1)	cartridge / unipack drum / pail	9 months ^A 6 months ^A

CQP = Corporate Quality Procedure

^A) 23 °C (73 °F) / 50 % r. h.**DESCRIPTION**

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

PRODUCT BENEFITS

- Capable of reaching temperatures up to 230 °C (446 °F)
- Bonds well to a wide variety of substrates
- One component
- Very good application and tooling characteristics
- Solvent and PVC-free

AREAS OF APPLICATION

SikaSeal[®]-330 is suitable for seam sealing of truck bodies, cabs, and other manufacturing units and cures in the subsequent paint or powder coat process. It is suitable for use with e-coated metals as well as treated aluminum, steel, and galvalume. 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.

PRODUCT DATA SHEETSikaSeal[®]-330Version 01 (10 - 2021), en_US
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This product is currently in the field test phase and has not been finally released. Technical data stated herein is based on preliminary testing and experience and is subject to change. Product is only suitable for experienced users and only after suitable pre-testing. Subject to mandatory legal provisions, Sika's liability is limited to the replacement of the defective products.

CURE MECHANISM

SikaSeal®-330 is cured by heat. Curing depends on both temperature and elapsed time. The most suitable heat sources are convection ovens. The minimum heating temperature is 190 °C (375 °F), while the maximum heating temperature 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 has to 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

Tooling and finishing must be carried out as short as possible since any uptake of moisture in the interim (climate-dependent) can cause formation of blisters during heat curing. It is best to dry tool without and additional finishing agents. Any finishing agents must be tested for suitability and compatibility prior the 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.

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
Drum	50 gal

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by contacting SIKA's Technical Service Department via email at tsmh@us.sika.com. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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