

PRODUCT DATA SHEET

Sikasil® AS-110

Fast skinning neutral-cure silicone assembly sealant

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	1-component silicone
Color (CQP001-1)	White, Black, KoolDuct® Gray
Cure mechanism	Moisture
Cure type	Oxime
Density (uncured)	1.40 kg/l
Non-sag properties (CQP061-4 / ISO 7390)	Good
Application temperature	5 – 40 °C
Skin time (CQP019-1)	6 minutes ^A
Shore A hardness (CQP023-1 / ISO 48-4)	28 days cure at 23 °C / 50 % r.h. 40
Tensile strength (CQP036-1 / ISO 527)	2.0 MPa
Elongation at break (CQP036-1 / ISO 527)	400 %
Service temperature	-40 – 150 °C
Shelf life (CQP016-1)	12 months ^B

CQP = Corporate Quality Procedure

^A) 23 °C / 50 % r.h.^B) storage below 25 °C**DESCRIPTION**

Sikasil® AS-110 is a fast curing, 1-component, non-sag, elastomeric, neutral-cure silicone sealant with good adhesion characteristics for sealing and bonding applications.

PRODUCT BENEFITS

- High early green strength and fast skinning
- Fast production capability in assembly processes
- Good adhesion to various substrates with minimal substrate pre-treatment
- Very good weathering resistance

AREAS OF APPLICATION

Sikasil® AS-110 is suitable for sealing and low-stress bonding applications. Suitable substrates include metals, painted metals, glass, and plastics.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

CURE MECHANISM

Sikasil® AS-110 cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram 1).

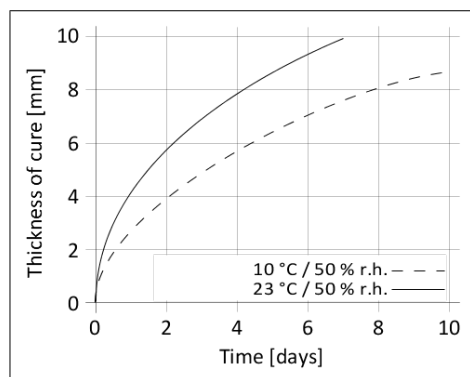


Diagram 1: Curing speed of Sikasil® AS-110

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.

Application

The optimum temperature for substrate and sealant is between 15 °C and 25 °C.

Sikasil® AS-110 can be processed 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.

Joints must be properly dimensioned.

Joints deeper than 15 mm must be avoided.

Tooling and finishing

Tooling and finishing must be carried out within the skin time of the sealant.

When tooling freshly applied Sikasil® AS-110 press the adhesive to the joint flanks to get a good wetting of the bonding surface.

No tooling agents to be used.

Removal

Uncured Sikasil® AS-110 may 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

Sikasil® AS-110 cannot be overpainted.

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	295 ml
Pail	4.5 US-gal
Drum	52 US-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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling +1 800-933-7452.

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