

PRODUCT DATA SHEET

Sikasil® AS-120

1-component elastic silicone sealant

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	1-component silicone
Color (CQP001-1)	Black, white
Cure mechanism	Moisture-curing
Cure type	Neutral
Density (uncured)	1.36 kg/l
Non-sag properties (CQP061-4 / ISO 7390)	Very good
Application temperature	ambient 5 – 40 °C
Skin time (CQP019-1)	25 minutes ^A
Tack free time (CQP019-3)	180 minutes ^A
Curing speed (CQP049-1)	(see diagram)
Shore A hardness (CQP023-1 / ISO 48-4)	39
Tensile strength (CQP036-1 / ISO 527)	2.2 MPa
100 % modulus (CQP036-1 / ISO 527)	0.9 MPa
Elongation at break (CQP036-1 / ISO 527)	450 %
Tensile lap-shear strength (CQP046-1 / ISO 4587)	1.3 MPa ^B
Service temperature	-40 – 150 °C
Shelf life	9 months

CQP = Corporate Quality Procedure

A) 23 °C / 50 % r. h.

B) sealant layer (25 x 12 x 2) mm

DESCRIPTION

Sikasil® AS-120 is a 1-component, structural RTV silicone adhesive, which combines mechanical strength with high elongation. It adheres excellent to a wide range of substrates.

PRODUCT BENEFITS

- Curing at room temperature
- Bonds to most substrates without pre-treatment
- Long-term durability

AREAS OF APPLICATION

Sikasil® AS-120 is ideal for high demanding sealing and low strength structural applications. It is recommended for applications which require a certain handling time, due to its strength build-up.

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-120 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).

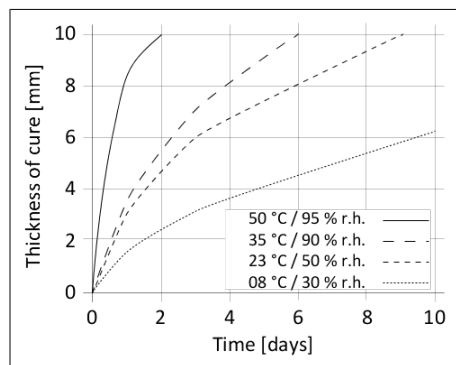


Diagram 1: Curing speed Sikasil® AS-120

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from grease, oil, dust and contaminants. 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-120 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 deeper than 15 mm must be avoided.

Removal

Uncured Sikasil® AS-120 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 hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

Overpainting

Sikasil® AS-120 cannot be overpainted.

STORAGE CONDITIONS

Sikasil® AS-120 has to be kept ≤ 25 °C in a dry place. If the storage temperature of ≤ 25 °C cannot be maintained, the material must be used within 30 days, considering a maximum temperature range -40 – 40 °C.

After opening of the packaging it must be protected against humidity.

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
Drum	250 kg

Please contact our customer service, for information of what packaging sizes are sold in Denmark.

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.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

PRODUCT DATA SHEET

Sikasil® AS-120
Version 02.01 (10 - 2026), en_DK
012603103330246480

Sika Danmark A/S
Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk

