

PRODUCT DATA SHEET

SikaSense®-120

1-component, isocyanate-free assembly adhesive for headliners

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polyurethane
Color (CQP001-1)	Blue
Density	1.0 kg/l
pH value (CQP004-1)	7.8
Solid content (CQP002-2)	46 %
Viscosity	Brookfield RVT , Sp. 4/5 Rpm 16 000 mPa·s ^A
Application temperature	15 – 25 °C
Activation temperature	80 °C
Drying time (CQP565-1)	60 minutes ^B drying tunnel at 40 °C 10 minutes
Shelf life	6 months

CQP = Corporate Quality Procedure

^A) 20 °C^B) 23 °C / 50 % r. h.**DESCRIPTION**

SikaSense®-120 is a ready to use water-based 1-component PUR dispersion adhesive with high initial strength and good heat resistance.

PRODUCT BENEFITS

- Does not contain isocyanates
- High initial strength
- Very good hydrolysis stability
- Very good resistance against heat and climatic changes

AREAS OF APPLICATION

SikaSense®-120 is a 1-component water-based assembly adhesive for headliner applications. Suitable substrates are plastics, foams and galvanized metals.

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

SikaSense®-120 contains a latent reactive hardener. The curing starts after heat activation in the bonding process and is finished after three days.

CHEMICAL RESISTANCE

SikaSense®-120 is temporarily resistant to aqueous surfactant, weak alkaline/acids solutions.

The chemical resistance is influenced by several factors such as chemical composition, concentration, period of exposure and temperature. Therefore a project related testing in case of chemical or thermal exposure is required.

METHOD OF APPLICATION

Surface preparation

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

Application

SikaSense®-120 is typically applied by spray gun. The application parameters and the subsequent processing vary depending on the application and the process used (vacuum or press lamination, two- or one-sided application, flocking, etc.).

Consider, if processing SikaSense®-120 by spray application, inhalation of substances must be prevented by suitable air extraction or other means.

The Product can be dried at ambient condition as well as in a drying tunnel. The drying time at 40 °C shall not exceed 10 minutes.

For the bonding process the Product needs a reactivation temperature of 80 °C and sufficient pressure on the whole bonding area.

In case of automated dosing applications a suitable filter system must be installed.

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

Removal

SikaSense®-120 may be removed from tools and equipment with water.

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.

STORAGE CONDITIONS

SikaSense®-120 is frost sensitive and has to be stored at temperatures between 5 °C and 25 °C in a dry place.

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

Pail	25 kg
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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

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.

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