

PRODUCT DATA SHEET

SikaSeal®-832

High expandable, pumpable cavity filler for automotive body shop applications

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Rubber	
Color (CQP001-1)	Black	
Solid content (CQP576-1)	96 %	
Density	1.30 kg/l	
Application temperature	40 — 60 °C	
Viscosity η^* (DIN 54458)	flowability A1 at 45 °C	370 Pas ^A
	pumpability A4 at 45 °C	140 Pas ^B
Levelling behavior G' (DIN 54458)	A2 at 45 °C	21 000 Pa ^A
Curing conditions	standard 180 °C	20 minutes ^C
Volumetric expansion	standard curing conditions	750 %
Shelf life		4 months ^D

CQP = Corporate Quality Procedure
^C) object temperature

^A) static state, deformation 0.05 %
^D) storage at 23 °C / 50 % r.h.

^B) dynamic state, deformation 10 %

DESCRIPTION

SikaSeal®-832 is a heat-reactive, pumpable material with high expansion and good sealing properties.

Used as an acoustic cavity sealer for automotive applications, SikaSeal®-832 also provides effective barrier properties against air, moisture and dust intrusion. This 1-component material can be cold applied with conventional pumping equipment with no associated tooling costs.

PRODUCT BENEFITS

- High volume expansion over a broad temperature range
- Ideal for long, narrow gaps and cavities
- Good corrosion and wash-off resistance
- Room temperature application with conventional pumping equipment
- Eliminate tooling costs, can be automatically applied
- Flexibility after body design changes

AREAS OF APPLICATION

SikaSeal®-832 shall be applied in the automotive body shop and is compatible with common body and paint shop treatments. Uncured SikaSeal®-832 has good adhesion to oily, cold-rolled, galvanized, galvanized steels and aluminum, which, combined to its good wash-off resistance, allows its application at any point during the body shop assembly. After exposure to standard automotive bake conditions, SikaSeal®-832 expands and exhibits good adhesion to e-coated panels. Adhesion is maintained after subjection to the various accelerated aging and weathering test conditions used in the automotive industry. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

This product is suitable for experienced professional users only.

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CURE MECHANISM

SikaSeal®-832 is cured by heat. The cure and expansion rate depends on temperature and time of exposure. The most common heat sources are convection ovens. The maximum temperature as per specific customer testing must not be exceeded.

METHOD OF APPLICATION

Uncured SikaSeal®-832 is typically applied in bead form. The follower plate and the hoses do not necessarily have to be heated. It is recommended to heat the last hose, the dosing unit and the application nozzle to 40 °C +/- 10 °C to favor constant application properties. During longer breaks (e.g. overnight or week-ends) suitable standby temperatures and switch-off times must be taken into account. The time between application and curing must be as short as possible, since moisture uptake could negatively affect the performance of the process material. SikaSeal®-832 can be processed with pneumatic- or electric driven piston guns as well as dispensing equipment. For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

STORAGE CONDITIONS

Material has to be stored dry at temperatures between 5 °C and 25 °C and at a relative humidity of maximum 50 %. Storage outside of these conditions can affect the product performance and shelf life.

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	24 kg
Pail	50 kg
Drum	250 kg

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 enduse 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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