

PRODUCT DATA SHEET

SikaBaffle®-277

2 component acoustic filling foam for car body cavity sealing

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical Base	2-Component Polyurethane-Foam
Color	Green
Density freely foamed (DIN EN 17333)	44 g/l
Yield (DIN EN 17333-1)	10 l
Application Temperature	product 10 – 25 °C ambient 5 – 35 °C
Pot-Life	after activation 5 minutes ^A
Tack free time (DIN EN 17333-3)	6 minutes ^A
Cutting time (DIN EN 17333-3)	10 minutes ^A
Water absorption cut (DIN EN 1609)	0.24 kg/m ²
Shelf Life	12 months ^B

CQP = Corporate Quality Procedure

A) 23 °C / 50 % r.h.

B) storage in a sealed container in up-right position in a dry place at 10 - 20 °C

DESCRIPTION

SikaBaffle®-277 is a ready-to-use, fast-curing 2-component polyurethane foam in an aerosol container. The product is used to seal hollow cavities against noise, air, moisture and dust in vehicles.

The filled propellant mixture is CFC-free and free of HCFC's and perfluorocarbons (PFC's). The product conforms to the statutory requirement of the EU legislation (EC) No 842/2006 for certain fluorinated greenhouse gases.

PRODUCT BENEFITS

- Good adhesion to a wide variety of substrates
- Good noise blocking properties
- High initial tack
- No post-expansion or shrinkage of cured foam
- Ready to use.
- Easy to apply
- No dripping

AREAS OF APPLICATION

SikaBaffle®-277 is especially designed for cavity filling and noise insulation of automotive body construction like A-, B-, C-pillars, roof rails, engine rails, rocker.

It adheres to common automotive materials used in the body shop except from surfaces as polyethylene, Teflon®, silicone, oil, grease and similar substrates.

SikaBaffle®-277 is used for manual vehicle production as well as for repair and service solutions.

This product is suitable for professional experienced users only. Test with actual substrates and conditions has to be performed to ensure adhesion and material compatibility.

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CURE MECHANISM

The extruded foam cures by the chemical reaction of the two components.

SikaBaffle®-277 is well suited to seal holes and cavities since it cures by chemical reaction.

METHOD OF APPLICATION

Special note

The two components are combined in the container. One of the components is colored. You can see from the homogeneously green mixed color that the foam has the required quality.

Surface preparation

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

Application

Make sure an adequate ventilation is in place where SikaBaffle®-277 is applied.

Remove valve protecting cap and screw angle adapter firmly on the valve, paying attention not to overturn.

Turn the transparent rotating wing at bottom of the can 4 complete turns clockwise.

Activate the Product by shaking can vigorously for 20 seconds. A rattle indicates the opening of the hardener container.

Wait for 30 seconds before starting the foam application by always keeping the valve pointed downwards.

An equally green color of the extruded foam indicates the proper activation of the foam. If the applied product is not green start the activating process from turning the wing step on again.

The foam discharge level can be precisely regulated by tilting the adapter with the valve pointing downwards.

Activate the can only immediately before use to avoid pressure build-up and excess material during the first injection.

Important: After mixing, empty the can within the pot life of 5 minutes. Failure to empty the mixed foam can lead to a risk of bursting if the can heats to over +50°C.

Tooling and finishing

The cured foam can be processed further by grinding, cutting or sawing.

Removal

Uncured SikaBaffle®-277 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 hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water. Do not use solvents on skin.

Application Limits

SikaBaffle®-277 must not be exposed to sunlight for prolonged periods of time since it is not permanently UV-resistant.

The optimum working temperature for the product is 20 °C. Do not use cans that are warmer than +25 °C.

The above information is offered for general guidance only. Advice on specific applications will be given on request.

SPECIAL NOTE

Local Restrictions

Note that as a result of specific local regulations the performance of this product may vary from country to country. Consult the local Product Data Sheet for the exact description of the application fields.

FURTHER INFORMATION

Copies of the following publications are available on request:

- Safety Data Sheet

PACKAGING INFORMATION

Aerosol can	400 ml
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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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