

PRODUCT DATA SHEET

SikaBaffle®-230

Extruded, expandable tape utilized for sealing and acoustic treatment

TYPICAL PRODUCT DATA

Chemical base	Rubber
Color (CQP001-1)	Black
Density	1.06 kg/l
Volumetric expansion	600 % ^A
Standard Baking Conditions	20 minutes 170 °C / 338 °F ^B
Shelf life	6 months ^C

CQP = Corporate Quality Procedure

^{A)} Depending on geometry / cure condition^{B)} Object temperature^{C)} Storage at 23 °C / 50 % R.H.**DESCRIPTION**

SikaBaffle®-230 is an extruded, heat expandable, elastomeric material used to seal body cavities against dust, odors and moisture for pillar, header, cowl and dash panel areas. Once expanded it is soft and has good noise absorption characteristics. SikaBaffle®-230 is self-tacky co-extruded with a handling film; the product has good adhesion properties and is designed to securely adhere to the metal body structure.

PRODUCT BENEFITS

- High expansion which reduces material usage
- Good noise absorption characteristics
- Non-sag properties
- Maintains expansion properties through a broad temperature range
- Low tooling cost

AREAS OF APPLICATION

SikaBaffle®-230 shall be applied in the automotive body shop and is compatible with common body and paint shop treatments. SikaBaffle®-230 is formulated to achieve good adhesion to automotive substrates while enabling good re-position ability when applied in body shop and stamping environments. Common applications include, but are not limited to, sealing in roof rails and pillars. This product is suitable for experienced professional users only.

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METHOD OF APPLICATION

It is important to ensure that the product is applied to the substrate by using a consistent and uniform pressure, without stretching or twisting the parts. SikaBaffle®-230 shall be applied immediately once removed from the shipping liner and then kept clear from any work-in-process, equipment, or materials prior to e-coat bake processing.

The surface must be clean, dry and free from water and dust. The substrates can be lubricated with for the material approved oils. Application may only be processed on material and substrate temperatures between 20 °C and 35 °C. Ideal application temperature is between 25 °C and 30 °C.

Sika's Application Engineers will work with OEM's and Tier suppliers to outline robust application methods for assembling parts to vehicle body structures.

ADHESION AND DURABILITY

After exposure to standard electrodeposition bake conditions, SikaBaffle®-230 exhibits good adhesion to e-coated surfaces, including cold rolled, galvanized (hot dipped and electroplated) and galvaneal steel. This product maintains its sealing and acoustic properties after subjection to various bake schedules, accelerated aging and weathering test conditions commonly used in the automotive industry.

Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

DESIGN

Sika's Application and Engineering staff will customize the part design for the dimensional requirements of each cavity, taking into account various parameters, such as installation and application costs.

STORAGE CONDITIONS

Material has to be kept dry at temperatures between 15 °C and 25 °C and at a relative humidity of maximum 50 %. Do not expose to sunlight. Storage outside of standard conditions can affect the 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 Automotive.

Copies of the following publications are available on request:

- Voluntary Safety Information Sheet

PACKAGING INFORMATION

Recyclable corrugate or returnable containers

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

This product contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet is therefore not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the Voluntary Safety Information sheet.

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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