

PRODUCT DATA SHEET

SikaDamp[®]-103

Heat fusible bitumen pad for vibration damping

TYPICAL PRODUCT DATA

Chemical base		Bitumen
Color (CQP001-1)		Black
Density (CQP006-4)		1.8 g/cm ³
Total thickness (DIN ISO 1849-1/2)		1.5 – 5.0 mm
Area weight (CQP008-4)	thickness 1.5 mm	2.7 kg/m ²
Loss factor (ISO 6721-3)	thickness 1.5 mm	0.11 ^A
Flammability (DIN 75200)		0 mm/min
Shelf life		5 months ^B

CQP = Corporate Quality Procedure

^{A)} at 20 °C^{B)} below 35 °C / 50 % r. h.**DESCRIPTION**

SikaDamp[®]-103 is a non-curing, heat fusible bitumen-based product used for reduction of structure borne vibration.

SikaDamp[®]-103 is cut to shape by die-cut into customized parts.

SikaDamp[®]-103 is a heavy-duty, highly flexible bitumen formulation with a high grade hot-melt layer and anti-blocking agent.

PRODUCT BENEFITS

- Good damping properties
- Highly versatile for flat, curved and crimped areas
- Damping properties are unaltered by standard bake temperatures
- Customized die-cut parts
- Automatic and manual application possible

AREAS OF APPLICATION

SikaDamp[®]-103 is applied during automotive assembly process. It is compatible with standard automotive treatments and finish processes

It shall be applied on steel or aluminium substrates. It is suitable for electrocoated surfaces in the paintshop.

SikaDamp[®]-103 product is suitable for flat, slightly curved and crimped surfaces in horizontal applications.

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

ADHESION AND DURABILITY

SikaDamp®-103 has demonstrated superior adhesion to electro coated surfaces/body panels. It maintains its acoustic and adhesive properties after subjection to the common bake schedules and accelerated aging and weathering test conditions used in the automotive industry.

METHOD OF APPLICATION

Surface preparation

The surfaces must be clean, dry and free from grease, oil, water and dust.

Application

Ensure proper and full surface adhesion over the entire geometry of the part.

The final adhesion strength will be achieved only after the baking process is completed.

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.

STORAGE CONDITIONS

Material shall be kept dry at temperatures below 35 °C and at a relative humidity of maximum 50 %. Storage outside of these conditions can influence adhesion properties and therefore reduce the shelf life.

The parts can be transported at lower temperatures as stated for application. Prior the application they have to meet the stated application temperature.

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:

- Voluntary Safety Information Sheet

PACKAGING INFORMATION

SikaDamp®-103 is available as cut to shape by die-cut. Various layer thicknesses between 1.5 mm and 5.0 mm are available. Further thicknesses on request.

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

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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SikaDamp®-103
Version 02.02 (02 - 2025),
en_DEAUTO
018516050008000000

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