

PRODUCT DATA SHEET

SikaDamp®-205

Heat fusible magnetic bitumen pad for vibration damping for treatment in automotive applications.

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Bitumen
Color (CQP001-1)	Black
Density	2,3 g/cm ³
Total thickness (DIN ISO 1849-1/2)	1.5 - 5 mm
Area weight (CQP008-4)	thickness 2.0 mm 4,6 kg/m ²
Magnetic force (CQP035-1)	27 mT
Loss factor (ISO 6721-3)	thickness 2.0 mm 0,14 ^A
Flammability (DIN 75200)	0 mm/min
Shelf life	5 months ^B

CQP = Corporate Quality Procedure

A) at 20°C

B) Storage below 35°C / < 50% r.h.

DESCRIPTION

SikaDamp®-205 is a non-curing, heat-fusible bitumen-based product used for reduction of structure borne vibration. This material can be die cut into customized shapes and sizes specific for each application, different layer thickness are available upon request.

SikaDamp®-205 is a heavyduty, highly flexible magnetic bitumen formulation with a high grade hotmelt layer and anti-blocking agent.

PRODUCT BENEFITS

- Good damping properties
- Enhanced adhesion properties for vertical and overhead applications
- Damping properties are unaltered by standard bake temperature
- Highly versatile for flat, curved, crimped surfaces
- Customized die cut parts
- Easy application supported by magnetic force

AREAS OF APPLICATION

SikaDamp®-205 can be applied during automotive assembly process. It is compatible with standard automotive treatment and finish processes. Product shall be applied on steel substrates. It is suitable for electro-coated surfaces in the paintshop. This product is suitable for flat, slightly curved surfaces, as well as crimped applications in the paintshop. Vertical and overhead use is possible.

ADHESION AND DURABILITY

SikaDamp®-205 adheres to electro coated surfaces, base-coat and clearcoat body panels. SikaDamp®-205 maintains its acoustic and adhesive properties after subjection to the various bake schedules and accelerated aging and weathering test conditions widely used in the automotive industry.

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.

METHOD OF APPLICATION

Surface preparation

No special preparation required other than the surfaces must be clean, dry and free from grease, oil, water and dust.

Application

Ensure proper positioning over the entire geometry of the part. The part will be hold in position by the magnetic force until it is processed. 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 has to be kept dry at temperatures between 18 °C and 35 °C and at a relative humidity of maximum 50 %. Storage outside of these conditions reduces 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:

- Voluntary Safety Information
- Application Manual for SikaDamp Application

PACKAGING INFORMATION

Cut-to-shape die-cut parts or sheets.

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.