

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 electrocoated 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.

PRODUCT DATA SHEET
SikaDamp[®]-205

Version 01.01 (09 - 2024), en_US

018516022050001000

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. Tests 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.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by contacting SIKA's Technical Service Department via email at tsmh@us.sika.com. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling +1 800-933-7452.

PRODUCT DATA SHEET

SikaDamp®-205
Version 01.01 (09 - 2024), en_US
018516022050001000

Sika Corporation
30800 Stephenson Highway
Madison Heights, MI 48071
U.S.A.
Telephone: +1 248-577-0020
Email: tsmh@us.sika.com
www.sikausa.com

