

## PRODUCT DATA SHEET

# SikaDamp<sup>®</sup>-209

Self-adhesive magnetic bitumen pad

## TYPICAL PRODUCT DATA

Chemical base		Bitumen
Color (CQP001-1)		Black
Density (CQP006-4)		2.2 g/cm <sup>3</sup>
Total thickness (DIN ISO 1849-1/2)		1.5 – 5.0 mm
Area weight (CQP008-4)	thickness 2.7 mm	6.0 kg/m <sup>2</sup>
Magnetic force (CQP035-1)		10 mT
Loss factor (ISO 6721-3)	thickness 2.7 mm	0,21 <sup>A</sup>
Flammability (DIN 75200)		0 mm/min
Shelf life		5 months <sup>B</sup>

CQP = Corporate Quality Procedure

A) at 30 °C

B) storage below 35 °C / 50 % r. h.

**DESCRIPTION**

SikaDamp<sup>®</sup>-209 is a non-curing, self-adhesive bitumen-based product used for reduction of structure borne vibration.

SikaDamp<sup>®</sup>-209 is a heavyduty, highly flexible magnetic bitumen formulation with a high grade pressure sensitive adhesive layer and anti-blocking agent.

**PRODUCT BENEFITS**

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

**AREAS OF APPLICATION**

SikaDamp<sup>®</sup>-209 can be applied during automotive assembly process. It is compatible with standard automotive treatment and finish processes. It shall be applied on electro-coated steel surfaces in the paintshop, as well as on painted surfaces in trim shop. 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®-209 adheres to electro coated surfaces, base-coat and clearcoat body panels. SikaDamp®-209 maintains its acoustic and adhesive properties after subjection to the various bake schedules and accelerated aging and weathering test conditions commonly 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 and full surface adhesion. 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. If cold applied the application pressure is crucial and directly linked to the adhesion properties. The parts have to be pressed on the substrate over the entire surface to ensure adequate contact pressure using a pressure roller consisting of soft foam rubber. The shape and width of the pressure roller should be adjusted to the geometry of the part and the surface to achieve best adhesion. 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. The usage of a vacuum assist tool to facilitate application is possible.

## 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 standard conditions reduces 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 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

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