

PRODUCT DATA SHEET

SikaDamp®-270

Self-adhesive, magnetic pad with aluminum composite top layer

TYPICAL PRODUCT DATA

Chemical base		Bitumen
Color (CQP001-1)	Mastic layer	Black
	Aluminum composite top layer	Silver
Density (CQP006-4)		2.4 g/cm ³
Top layer thickness (DIN ISO 1849-1/2)		0.05 mm
Total thickness (DIN ISO 1849-1/2)		1.5 – 3.0 mm
Area weight (CQP008-4)	2.1 mm thickness	4.8 kg/m ²
Application temperature		20 – 35 °C
Magnetic force (CQP035-1)		26 mT
Flammability (DIN 75200)		0 mm/minute
Shelf life		5 months ^A

CQP = Corporate Quality Procedure

^{A)} below 35 °C / < 50 % r. h.

DESCRIPTION

SikaDamp®-270 is a non-curing, self-adhesive bitumen-based product used for reduction of structure borne vibration.

This material is cut to shape by die-cut into customized shapes. Different layer thicknesses are available upon request.

SikaDamp®-270 is a heavy-duty, 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 over head 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
- Automatic and manual application possible

AREAS OF APPLICATION

SikaDamp®-270 is applied during automotive assembly process. It is compatible with standard automotive treatment and finish processes.

It shall be applied on steel and on electro-coated surfaces in the paintshop as well as on painted surfaces in trim shop. SikaDamp®-270 is suitable for flat, slightly curved surfaces in horizontal, vertical and inverted areas as well as for crimped applications in the paintshop. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

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ADHESION AND DURABILITY

SikaDamp®-270 adheres to electro coated surfaces, base-coat and clearcoat body panels. SikaDamp®-270 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.

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 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 shall be kept dry at temperatures below 35 °C and at a relative humidity of maximum 50 %. Storage outside of these conditions influences adhesion properties and therefore 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 Sheet
- Application Manual for SikaDamp® Application

PACKAGING INFORMATION

SikaDamp®-270 is available as cut to shape by die-cut.

Various layer thicknesses between 1.5 mm and 5 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

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