

PRODUCT DATA SHEET

SikaDamp[®]-210

Heat fusible magnetic bitumen pad for vibration damping

TYPICAL PRODUCT DATA

Chemical base		Bitumen
Color (CQP001-1)		Black
Density (CQP006-4)		2.3 g/cm ³
Total thickness (DIN ISO 1849-1/2)		1.5 – 5.0 mm
Area weight (CQP008-4)	thickness 2.2 mm	5.0 kg/m ²
Magnetic force (CQP035-1)		25 mT
Loss factor (ISO 6721-3)	thickness 2.2 mm	0.17 ^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[®]-210 is a non-curing, heat fusible bitumen-based product used for reduction of structure borne vibration.

It is cut to shape by die-cut into customized parts.

SikaDamp[®]-210 is a heavy-duty, highly flexible magnetic bitumen formulation with a high grade hotmelt 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
- Easy application supported by magnetic force

AREAS OF APPLICATION

SikaDamp[®]-210 is applied during automotive assembly process. It is compatible with standard automotive treatments and finishing processes.

It shall be applied on electrocoated steel surfaces in the paintshop. SikaDamp[®]-210 is suitable for flat, slightly curved surfaces, as well as crimped applications in the paintshop. Vertical and overhead use is possible.

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

ADHESION AND DURABILITY

SikaDamp®-210 has demonstrated superior adhesion to electro coated surfaces. 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 part will be held 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®-210 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

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