

PRODUCT DATA SHEET

SikaDamp®-120

Heat fusible bitumen pad for vibration damping

TYPICAL PRODUCT DATA

Chemical base	Bitumen
Color (CQP001-1)	Black
Density (CQP006-4)	1.8 g/cm ³
Total thickness (DIN ISO 1849-1/2)	1.5 – 4.5 mm
Area weight (CQP008-4)	thickness 2.0 mm 3.2 kg/m ²
Loss factor (ISO 6721-3)	thickness 2.16 mm 0.18 ^A
Flammability (DIN 75200)	0 mm/min
Shelf life	5 months ^B

CQP = Corporate Quality Procedure

^A) at 20 °C

^B) below 35 °C and 50 % r. h.

DESCRIPTION

SikaDamp®-120 is a non-curing, heat fusible bitumen-based product used for reduction of structure borne vibration. It is cut to shape by die-cutting into customized parts. SikaDamp®-120 is a flexible bitumen-based product with a high grade hotmelt layer and anti-blocking agent.

PRODUCT BENEFITS

- Good damping properties
- Damping properties are unaltered by baking or operating temperature
- Highly versatile for flat, curved and crimped surfaces
- Customized die-cut parts

AREAS OF APPLICATION

SikaDamp®-120 can be applied during standard automotive assembly process. It is compatible with standard automotive treatment and finishing processes.

The product shall be applied on electrocoated steel and aluminum surfaces in the paint shop. This product is suitable for flat, slightly curved surfaces, as well as crimped applications in the paint shop.

ADHESION AND DURABILITY

SikaDamp®-120 has demonstrated superior adhesion to electro coated body panels. SikaDamp®-120 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. 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 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

The product 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(R) 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

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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