

PRODUCT DATA SHEET

SikaDamp[®]-760 Ultralight

Ultra lightweight, self-adhesive, constrained layer product for vibration damping

TYPICAL PRODUCT DATA

Chemical base	Bitumen
Color (CQP001-1)	Black (mastic layer), silver (top layer)
Density (CQP006-4)	0.3 (bitumen foam) (g/cm ³)
Top layer thickness (DIN ISO 1849-1/2)	0.15 mm
Total thickness (DIN ISO 1849-1/2)	2.0 - 4.0 mm
Area weight (CQP008-4)	thickness 2.9 mm 1.3 Kg/m ²
Loss factor (ISO 6721-3)	thickness 2.9 mm 0.25 ^A
Flammability (DIN 75200)	0 mm/min
Shelf life	6 months ^B

CQP = Corporate Quality Procedure

A) at 30 °C

B) below 35 °C / 50 % r. h.

DESCRIPTION

SikaDamp[®]-760 Ultralight is a non-curing, self-adhesive ultra lightweight 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[®]-760 Ultralight is multi-layer system consisting of bitumen foam and an aluminium top layer enabling superior damping performance in combination with weight reduction.

PRODUCT BENEFITS

- Enables significant weight reduction
- 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

AREAS OF APPLICATION

SikaDamp[®]-760 Ultralight is applied during automotive assembly process. It is compatible with standard automotive treatment and finish processes. This product shall be applied on metal, Aluminum or composite substrates. It is suitable for electrocoated surfaces in the paintshop as well as on painted surfaces in trim shop. This product is suitable for flat, slightly curved surfaces also in vertical or inverted areas.

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ADHESION AND DURABILITY

SikaDamp®-760 Ultralight adheres to electro coated surfaces, base-coat and clearcoat body panels. SikaDamp®-760 Ultralight 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. If cold applied the application pressure is crucial and directly linked to the adhesion properties. The parts have to be pressed on the substrates over the entire surface to ensure adequate contact pressure using 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.

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(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

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

The information, and, in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.