

SikaDamp® -620

Elastomeric vibration and impact noise damping treatment

Typical Product Data

Appearance	Tacky mastic with aluminum	
Color (CQP ¹ 001-1)	Grey	
Weight	3 kg/m ²	
Solids content	100 %	
Vertical flow (ISO 7390)	5 mm	
Tensile strength (EN 12311-1)	longitudinal transversal	600 N / 50 mm 600 N / 50 mm
Elongation at break (EN 12311-1)	longitudinal transversal	10 % 10 %
Peel adhesion 90° (ASTM D1000)	70 N	
Loop tack test (ASTM D 6195)	70 N	
Reaction to fire (EN 11925 - 2; EN 13501 - 1)	Class E	
Application temperature	5 - 40 °C	
Service temperature (CQP 513-1)	short term 24 h	-30 – 80 °C 140 °C
Shelf life (storage below 25 °C) (CQP 016-1)	24 months	

¹⁾ CQP = Corporate Quality Procedure

Description

SikaDamp®-620 is non-curing and light-weight self-adhesive mastic used for reduction of impact noise, e.g. driven rain and hail grains, and structure borne vibration. Processed with an aluminum constraining layer, this material can be die cut into customized shapes and sizes specific for each application.

Product benefits

- Excellent damping properties
- Damping properties unaltered after bake process
- Excellent adhesion to many substrates in façade constructions, such as bare and coated metals
- Resistance to lower and higher temperature
- Resistance to water
- Non-toxic and odor free

Areas of Application

SikaDamp®-620 is used for sound damping of building components, such as metal and composite curtain wall panels. This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

Industry



Method of Application

SikaDamp®-620 has tackifying agents that help it adhere to many substrates encountered in the assembly process.

Surface preparation

Surfaces must be clean, dry and free from oil, grease and dust.

Advice on specific applications and surface pretreatment methods is available from the Technical Department of Sika Industry.

Application

Unroll the product and cut in desired size. Remove the silicone release film and put it into position. Press with a roller or a cloth pad.

For more information contact the Technical Department of Sika Industry.

Adhesion and Durability

SikaDamp®-620 demonstrates excellent adhesion to anodized and coated aluminum, galvanized steel and composite panels. Its outstanding adhesive performance allows it to maintain its position in vertical and inverted applications. SikaDamp®-620 maintains its acoustic and adhesive properties after exposure to the various accelerated aging and weathering test conditions representative for the facade industry.

Acoustic performance

SikaDamp®-620 offers superior damping performance at a reduced weight over traditional mastic constrained layer and asphaltic extensional dampers. The damping performance is maintained from -10 °C to 50 °C allowing the use in any area of the facade.

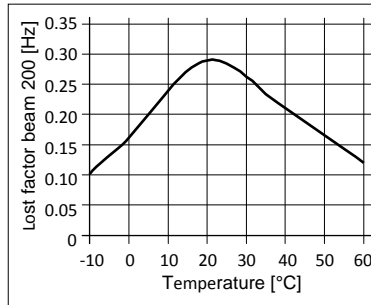


Diagram 1: Vibration-Damping Properties (ASTM E756) Sika Damp®-620

Further Information

Copies of the following publications are available on request:

- Safety Data Sheet

Packaging Information

Roll width	500 mm
Roll length	5 m
Rolls / carton box	1
Rolls / pallet	48

Basis of Product Data

All technical data stated in this Product Data Sheet 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 end-use 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.

Further information available at:

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