

SikaDamp[®]-630

A lightweight, elastomeric constrained layer vibration damping treatment in automotive body, paint and trim shop applications

Material Properties

Appearance	Tacky mastic with aluminium
Color	Black
Specific Gravity (ASTM D1475/Pycnometer)	1.03 +/- 0.05
Volumetric Density	8.60 +/- 0.5 lbs/gal
Non-Volatile Content (24 hours @ 105°C)	99% minimum
Flash Point (COC)	248°C
Flammability (FMVSS-302)	Passes with a rating of B < 1.0
Peel Adhesion (90° peel @ 300 mm/min.)	OCRS 7-10 pli avg. ED Coat 7-10 pli avg.
Application Temperature	15°C to 43°C recommended
Corrosion Resistance	Resistant to water and salt
Shelf Life	3 years if stored below 35°C

Description

SikaDamp[®] 630 is a non-curing and lightweight self-adhesive mastic used for reduction of structure-borne vibration. Processed with an aluminum constraining layer, this material can be die cut into customized shapes and sizes specific for each application.

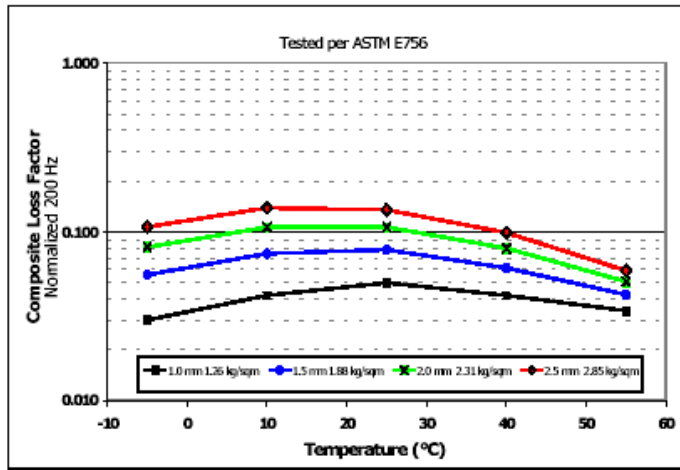
Advantages

- Weight reduction over traditional constrained layer and extensional dampers
- Excellent damping properties
- Can be installed in any area of assembly
- Damping properties unaltered by bake or operating temperature
- Excellent adhesion to all OEM substrates and process aids
- Customized part design
- In-vehicle validation capability
- Non-toxic and odor free

Process Friendly

SikaDamp[®] 630 has tackifying agents that help it adhere to any substrate encountered in the assembly process. It is odorless, non-staining and compatible with automotive treatment baths and finish processes. Sika's engineering staff can work with the assembly plant to develop a vacuum assist tool to facilitate a secure, ergonomically safer installation procedure. This product can be packaged in highly recyclable corrugate or returnable containers to reduce dunnage.





Adhesion and Durability

SikaDamp® 630 has demonstrated excellent adhesion to CRS, galvanized and galvaneal steel, ELPO and basecoat and clearcoat body panels. Its outstanding adhesive performance allows it to maintain its position in the most demanding vertical and inverted applications, even at elevated paint bake temperatures. SikaDamp® 630 maintains its acoustic and adhesive properties after subjection to the various bake schedules and accelerated aging and weathering test conditions used in the automotive industry.

Acoustic Performance

SikaDamp® 630 is a technologically advanced formulation that 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 60°C allowing use in any area of the vehicle.

Safety and Handling Instructions

Caution: Always practice proper personal hygiene procedures after using this product. Consult the Material Safety Data Sheet for further safety and handling instructions.

Important

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



Further information available at:
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