

SikaDamp® -630

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

Technical Product Data (typical values) *Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

Appearance	Tacky Mastic with aluminum top layer
Color	Black
Specific Gravity (ASTM-D1475/pycnometer)	1.05 +/- 0.05 (mastic layer)
Shelf life	1 year

Description

SikaDamp® -630 is a non-curing, lightweight, self-adhesive mastic used for reduction of structure borne vibration. Processed with an aluminium 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

Performance

SikaDamp® -630 is an advanced formulation that offers superior damping performance at a reduced weight over traditional mastic constrained layer and asphaltic extensional dampers.



Adhesion and Durability

SikaDamp® -630 has demonstrated excellent adhesion to CRS, galvanized and galvanneal 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. 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. Storage outside the standard room temperature conditions may change the shelf life of the material. Standard room temperature conditions are 73°F (23°C) and 50% RH.

Design

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.

HMIS (USA ONLY)

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

CAUTION: IRRITANT. Product may act as a mechanical eye irritant. May cause respiratory tract irritation if fumes from heated material are inhaled. Contact with product at elevated temperature may cause thermal burns. May be harmful if swallowed. **Strictly follow all usage, handling and storage instructions.**

First Aid

Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin** – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation** – Remove to fresh air. **Ingestion** – Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Handling and Storage

Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and

windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse.

Clean Up

Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

IMPORTANT (USA ONLY)

For further 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. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

**KEEP OUT OF REACH OF CHILDREN
NOT FOR INTERNAL CONSUMPTION
FOR INDUSTRIAL USE ONLY
KEEP CONTAINER TIGHTLY CLOSED**

Copies of the following publications are available by contacting tsmh@us.sika.com

-Material Safety Data Sheets
-Product Data Sheet

In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887

LIMITED MATERIAL WARRANTY (USA ONLY): This product is solely intended for use by Automotive Original Equipment Manufacturer (OEM) professionals trained in the individual OEM's installation instructions and is designed per the individual OEM's specifications. No warranty is supplied with respect to the data supplied herein, which is representative of material characteristics and is provided for informational purposes only. User determines suitability of product for use and assumes all risk. In all instances, Buyer's sole remedy shall be limited to the purchase price or replacement of product and excludes labor or the cost of labor. Any claim for breach of warranty must be brought within 90 days of the date of purchase. **NO OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL**

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Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Material Safety Data Sheet which are available at www.sikausa.com or 201-933-8800. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.



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