



### 4189-3 Energy Absorbing Sound Damping Pad

4189-3 sound damping pad is a combination of energy absorbing mastic material and an aluminum top layer that provides maximum sound damping. Extension and compression of the mastic damping material converts vibratory energy into heat, thus reducing the noise level of the damped substrate. The aluminum top layer maximizes this effect by redirecting any escaping vibratory energy back into the mastic layer.

|                    |                   |
|--------------------|-------------------|
| Technology / Base  | Butyl             |
| Type of Product    | Sound Damping Pad |
| Appearance / Color | Black             |
| Consistency        | Foil-Backed Patch |

#### Features and Benefits

- Adheres to polar and non-polar surfaces.
- Good Low Temperature Flexibility
- Can be used on most clean dry substrates
- Broad application temperature range
- Reduces noise created by vibration

#### Technical Data

| Property                                                                                           | Typical Value       | Test Method                |
|----------------------------------------------------------------------------------------------------|---------------------|----------------------------|
| Specific Gravity                                                                                   | 1.6                 | ASTM D71                   |
| Cone Penetration (dmm)                                                                             | 90                  | ASTM D217, 150g added Load |
| Adhesion Initial                                                                                   |                     | MS-CD-629                  |
| (Galvanized)                                                                                       | Cohesive Failure    |                            |
| (Galvanneal)                                                                                       | Cohesive Failure    |                            |
| (E-Coat)                                                                                           | Cohesive Failure    |                            |
| Adhesion aged 20 min @163°C (325°F)                                                                |                     | MS-CD-629                  |
| (Galvanized)                                                                                       | Cohesive Failure    |                            |
| (Galvanneal)                                                                                       | Cohesive Failure    |                            |
| Adhesion aged 30 min @ 121°C (250°F)                                                               |                     | MS-CD-629                  |
| (Galvanized)                                                                                       | Cohesive Failure    |                            |
| (Galvanneal)                                                                                       | Cohesive Failure    |                            |
| Adhesion Aged: Condensing Humidity Salt Spray Heat<br>Heat Aging 250hrs @ 79°C Environmental Cycle | No loss of adhesion | MS-CD-629                  |



## Typical Applications

4189-3 is used to dampen vibrations that create sound in a variety of automotive OEM applications. It is very aggressive and can be used on a variety of substrates such as:

- E-Coat
- Oily Metal
- Powder Coat
- Phosphate Coated Metal

## Specifications

Meets requirements of:

|          |               |
|----------|---------------|
| Chrysler | MS-CD-629     |
| Ford     | WSS-M5G58-A2  |
|          | WSS-M99P32-E1 |

## Typical Packaging

Available as patches or die cut sheets. Contact your H.B. Fuller representative for specific requirements.



Scan QR code to learn More

## Storage and Shelf Life

Store material in original unopened packaging at temperatures between 10°C to 50°C (50°F to 120°F). Shelf life is 24 months when stored as recommended.

## Safety and Disposal

Prior to working with this or any product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions and disposal considerations.

H.B. Fuller Company  
4401 Page Ave  
Michigan Center, MI 49254  
Tel: +1.800.248.4010

Connecting what matters.™

[www.hbfuller.com](http://www.hbfuller.com)

[www.hbfullerengineering.com](http://www.hbfullerengineering.com)

**IMPORTANT:** Information, specifications, procedures and recommendations provided ("information") are based on our experience, and we believe this information to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

® and ™ are trademarks of H.B. Fuller Company or one of its affiliated entities.



**NOTE TO USER:** by ordering/receiving product you accept the **H.B. Fuller General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply.

H.B. Fuller  
[www.hbfuller.com](http://www.hbfuller.com)

©H.B. Fuller Company, 2020