The family of 3M™ Interam® Brand Products is a comprehensive product portfolio encompassing solutions for all ranges of temperature and application needs encountered in a catalytic converter. The product offerings range from mat mounts to molded endcone insulation to an agent designed to reduce erosion. In addition to products, we offer testing resources, concept consultation, in-depth design expertise and technical support throughout all phases of design and validation.
**3M™ Interam® Thermal and Emissions Solutions Products**

3M offers dependable, high-tech solutions for mounting ceramic substrates that are used in emission control devices. 3M™ Interam® Mat Mounts can be designed to handle temperatures up to 1,000°C, compensate for the extreme differences in the expansion of metal and ceramics, and protect the substrates from shocks and vibrations when the catalytic converter is in use.

**3M™ Interam® Mat Mounts:**

There are three general types of 3M™ Interam® Mats: Intumescent, Non-Intumescent and Hybrid. Intumescent mats expand with heat providing pressure to hold monoliths, while non-intumescent mats are non-heat expanding and maintain holding pressure through the resiliency of the fiber. Hybrid mats combine the best features of intumescent and non-intumescent mats to create mats to meet specific application requirements.

Some primary features of these Interam® Brand Products include the capability to:

- Hold the coated monolith in place despite substantial differences in the thermal expansion of the monolith and the metal can.
- Cushion the monolith from road shock and vibration.
- Seal the monolith perimeter to prevent exhaust gas bypass.
- Maintain mounting and insulating system durability.

- Provide thermal insulation which:
  - Lowers the outside temperature of the catalytic converter.
  - Reduces the radial thermal gradient in the ceramic monolith, increasing the internal temperature and conversion efficiency.

Interam® Mat Mounts are used in a wide variety of applications, including:

- Automobiles
- Light-duty trucks
- Medium- and heavy-duty diesel engine vehicles
- Stationary engines
- Marine engines
- Motorcycles

**3M™ Interam® Endcone Insulation:**

3M™ Interam® Endcone Insulation provides thermal insulation for double-wall endcones. It has the ability to be molded to the exact shape of the endcone, which expedites endcone assembly and eliminates die-cut waste.

3M™ Interam® Engineered Endcone Insulation 900HT-E under testing
3M™ Interam® Erosion Protection Plus:

3M™ Interam® Erosion Protection Plus (EPP) is an inorganic, heat-activated agent that significantly reduces erosion caused by exhaust gas impingement. Interam’ EPP is suitable for diesel and gas applications.

One of the foremost features of Interam’ EPP is that it offers excellent erosion protection without the need for messy liquids. Interam’ EPP is applied during the converter process so there is no mess during converter assembly. It is flexible and does not contain phosphorous, lead, zinc, chloride or sulphur.

3M™ Interam® Thermal and Emission Solutions Support:

When choosing Interam’ Brand Products, you get the trust provided by technical expertise and market leadership, proven product performance and durability, a diverse and comprehensive portfolio of products, customer service and design solutions, all backed by the resources and reliability of 3M.

For further information on testing or the replication of OEM standard operating requirements, contact your 3M technical service representative.
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Product Use: Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user’s method of application.

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