

3M™ Interam™ Mat Mount 5000NC

Technical Data Sheet



Product Description

3M™ Interam™ Mat Mount 5000NC is a flexible intumescent mat, which contains solely non-classified ceramic fibers conforming to the requirements of European laws as well as German workplace legislations. The appropriate amount of vermiculite provides adequate heat expansion characteristics at higher temperatures. An innovative 3M technology enables very low binder content for safe low temperature diesel operation and low volatile organic components. It is designed for the mounting of passenger car exhaust gas after treatment systems like Diesel Oxidation Catalyst (DOC), Diesel Particulate Filter (DPF) Selective Catalytic Reduction (SCR) and other systems.

Features

- Very good low temperature performance
- Wide operating temperature range (ambient to ~850°C)
- High resiliency
- High erosion resistance
- Non-classified according to:
 - European Directive 67/578/EEC amended by directive 97/69/EC, substituted by the CLP regulation 1272/2008/EC
 - Regulation for mineral wool in appendix II number 5 of the German Hazardous Substances ordinance from Nov 26, 2010
 - German workplace regulations “Technical Rules for Hazardous Substances” -TRGS905

Applications

- Low and medium operating temperature applications e.g. underbody converters, diesel particulate filters (DPF), oxidation catalysts (DOC), and selective catalytic reduction systems (SCR)
- Silicon Carbide (SiC), Aluminum Titanate (AlTi) and Cordierite DPF mounting
- Gasoline converters up to 850°C gas inlet temperature

Application Density (varies by application)

| | |
|--------------|-------------------------------|
| Target | 0.70 g/cm ³ |
| Design Range | 0.55 – 0.85 g/cm ³ |

Physical Properties

| Weight/Areas Available (g/m ²) * | 2800 | 2940 | 3500 |
|--|-----------------|-------------|-------------|
| Weight/Area Range (g/m ²) | 2576 - 3024 | 2705 - 3175 | 3220 - 3780 |
| Nominal Thickness (mm) | 11.0 | 11.5 | 13.5 |
| Thickness Range (mm) | 9.5 - 12.5 | 10.0 - 13.0 | 11.5 - 15.5 |
| Application Gap Area (mm) | 4.0 | 4.2 | 5.0 |
| Composition Information | Organic (%) | 1.5 - 3.5 | |
| | Fiber (%) | 62 - 73 | |
| | Vermiculite (%) | 25 - 35 | |

* Other weights available upon request

Regulatory Information

Please refer to the product label and Safety Data Sheet (SDS) for health and safety information before using.

Contact Information

The information provided in this technical document is intended as a guide for these products. For more information or help in selecting a 3M product for an application, please contact your 3M technical service representative or call 1-800-328-1684.

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