

3M™ Interam™ Mat Mount 800C

Intumescent Mat Mount

Technical Data Sheet



Description

3M™ Interam™ Mat Mount 800C is high performance, reduced binder intumescent mat mount with improved low temperature substrate retention performance. Designed to be a cost effective alternative to non-intumescent mats, it is suitable for a wide range of applications.

- Flexible intumescent mat
- Single piece configuration for application gaps from 3.5 to 8.0 mm
- Designed to improve resiliency and substrate retention at low operating temperatures
- Proprietary vermiculite blend ensures appropriate heat expansion characteristics for substrate retention at higher temperatures

Applications - Total mount system for:

- Gasoline applications $\leq 950^{\circ}\text{C}$ mat monolith interface
- Diesel light duty through heavy-duty truck and off-road applications
 - Diesel oxidation catalysts (DOCs)
 - Diesel particulate filters (DPFs)
 - Selective catalytic reduction (SCRs)
- Low to high temperature systems
- Systems with isothermal or near isothermal temperature conditions

Features:

- Broad operating temperature range enables reliable long, term performance
- Optimal balance of low vermiculite and high fiber content provides excellent erosion resistance
- Low organic binder content eliminates post assembly heat treatment
- Single part configuration facilitates design and manufacturing simplification
- Reduced assembly force reduces risk of substrate cracking during canning assembly

Application Density (varies by application)

Target	0.59—0.68 g/cm ³
Design Range	0.53—0.84 g/cm ³

Physical Properties

Weight/Areas Available (g/m ²)*	2600	3550	3900	4200
Weight /Area Range (g/m ²)	2340-2860	3195-3905	3510-4290	3780-4620
Nominal Thickness (mm)	9.91	13.73	15.05	16.15
Thickness Range (mm)	8.42–11.39	11.67-15.79	12.79–17.31	14.21-18.09
Application Gap Target (mm) Gas Target—0.59 g/cc Diesel Target 0.65 g/cc (single layer)	4.0 - 4.4	5.5 - 6.0	6.0 - 6.5	6.5 - 7.1
Composition Information	Organic (%)	3 - 8		
	Fiber (%)	55 - 70		
	Vermiculite (%)	24 - 39		

*Other Weights Available upon Request.

NOTE: Actual target and design ranges vary by application. Please contact your technical service representative for guidance with your specific application.

Contact Information: The information provided in this technical document is intended as a guide for this product. 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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