



FireMaster[®] FastWrap[®] XLS

Product Data Sheet

Product Description

FireMaster FastWrap XLS is a fire-rated blanket specially developed for fire-rating steel ductwork. A flexible blanket composed of high-temperature fibres classified for temperatures up to 1200°C (2192°F), FireMaster FastWrap XLS is fully encapsulated in aluminium foil.

FireMaster FastWrap XLS encapsulation decreases water, moisture or grease ingress, ensuring good insulation integrity and avoiding the promotion of mould growth.

FireMaster FastWrap XLS has a core blanket manufactured using our advanced Superwool[®] low biopersistent fibre manufacturing technology. The core blanket features exceptionally low thermal conductivity, yielding reduced thickness and density over traditional materials while meeting fire rating requirements, leading to space savings and easier installation through increased flexibility and reduced handling weight.

Features

- 25% lighter than existing 2-hour enclosure systems on the market
- Butt-Joint installation approved resulting in easier installation labor
- No taping of joints
- Provides a 2-hour enclosure and firestop system for kitchen exhaust ducts tested to ASTM E2336 for grease ducts and ASTM E2816 for air ducts
- Provides zero clearance to combustibles throughout the installed system
- Complies with IMC, NFPA-96, UMC, CMC, CNBC
- Intertek Listed Grease duct installation with butt joints at all seams on both layers
- UL Environment validated as a 'Low VOC Emitting Material' and 'Mold Resistant'

Environmental & Health Safety

Superwool low biopersistent fibres manufactured by Morgan Advanced Materials are not classified as carcinogenic by IARC or under any national regulations on a global basis. They have no requirements for warning labels under GHS (Globally Harmonised System for the classification and labelling of chemicals).

In Europe, Superwool fibres meet the requirements specified under Note Q of European Regulation EC/1272/2008 (on Classification, Labelling and Packaging of substances and mixtures). All Morgan Advanced Materials Superwool low biopersistent fibre products are therefore exonerated from classification and labelling as hazardous in Europe.

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Properties		FireMaster FastWrap XLS
Colour of Encapsulation		Silver*
Classification Temperature, °C (°F)		1200 (2192)
Density, kg/m ³ (pcf)		70, 80 (4.4, 5)
Surface Burning		<25/50, ASTM E84
R Value @ 24°C (75°F)		6.5 per layer, ASTM C518
Low VOC		Validated, CA Section 01350
Mould resistant		Validated, ASTM C1338
*Black foil option available upon request		

Standard Dimensions and Availability	
Thickness, mm (in)	38, 50, 60 (1.5, 2.0, 2.4)**
Width, mm (in)	610, 1220 (24, 48)
Roll Length, mm (in), roll length is thickness dependent	4880, 3660, 7320 (192, 144, 288)
**Additional range from 25 to 50 (1 to 2)	

Fire Rated Duct Listings		
	Silver Encapsulation	Black Encapsulation
Reaction To Fire		<ul style="list-style-type: none"> A1: EN 13501-1 ASTM E136-2019
Fire Resisting Duct Assembly Ratings		
ASTM	<ul style="list-style-type: none"> ASTM E2336 and ASTM E2336 (2016) ASTM E2816 Conditions A, B, C, D ASTM C411 (2017) ASTM E136 (2016) Ed.16a and ASTM E136 (2019) ASTM E2816 (2018) ASTM E814-13a (R2017) ASTM E84 (2018b) and ASTM E84 (2021) CAN/ULC S115 (2018) Ed. 5 CAN/ULC S144 (2012) 	
EN 13501-3		Circular Ducts <ul style="list-style-type: none"> EI 120 (ho o→i) S EI 120 (ve o→i) S EI 30 (ho i→o) Rectangular Ducts <ul style="list-style-type: none"> EI 90 (ho o→i) S EI 90 (ve o→i) S EI 60 (ho i→o)
AS 1530-4:2014		<ul style="list-style-type: none"> 120/120/120 Rating
This is a summary table of testing carried out to the date of this data sheet. Please refer to Morgan Advanced Materials FireMaster FastWrap XLS design and installation documentation for details of the above systems and conditions of certification.		

Whilst the values and application information in this datasheet are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product’s suitability for use with Morgan Advanced Materials - Thermal Ceramics.