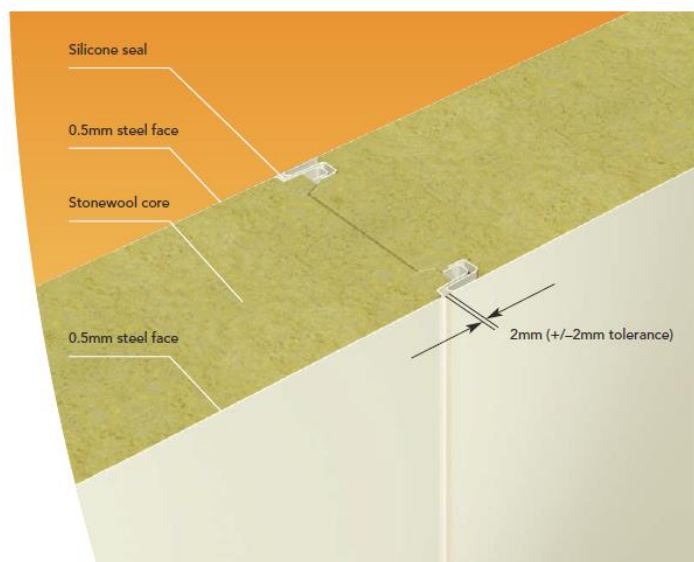


Firemaster

Product Data Sheet

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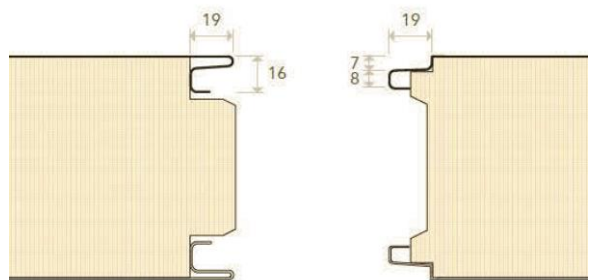


Product Data Sheet

Firemaster Wall Lite, Extra, Ultima – Compartment Wall (Through Fixed)
 Firemaster Ceiling – Fire Resistant internal ceiling

Application

The Firemaster® system has been developed as a ‘total internal wall and ceiling’ solution ideally suited for the construction of non load bearing internal partition walls, and ceilings. The approved system provides a tested fire resistance in order to perform as internal firewalls, ceilings or compartmentation walls and is designed to be integrated with Eurobond’s Firemaster doors for a complete fire resistant solution.



All Firemaster® wall and ceiling panels are insulated, sealed and available with a food safe coating; providing a smooth, anti-static internal surface. This panel system is ideal for use in food processing and storage applications, along with microelectronics facilities and pharmaceutical applications, where protected zones or clean rooms are often required.

Panel Properties

Firemaster Lite									
Thickness	mm	75	100	125	150	175	200	240	300
Weight	kg/m ²	-	18.5	21.0	23.5	26	28.5	32.5	-
Thermal	W/m ² K	-	0.39	0.31	0.26	0.22	0.19	0.17	-
Acoustic	dB	-	32	32	33	34	34	34	-

Firemaster Extra									
Thickness	mm	75	100	125	150	175	200	240	300
Weight	kg/m ²	17.5	20.5	23.5	26.5	29.5	32.5	37.3	42
Thermal	W/m ² K	0.54	0.40	0.33	0.27	0.23	0.20	0.18	0.15
Acoustic	dB	31	33	33	34	35	36	36	36



Standard Specification

- 1200mm standard module width.
- 1100mm maximum export width due to container sizes.
- Lengths available up to 12m
- 0.5mm thick internal steel faces, in TATA white polyester lining RAL9010
- Non-Combustible high density mineral wool core – 100kg/m³ and 120kg/m³ density
- Stone wool core offers 0.045 W/mK thermal conductivity
- CE-marked to EN 14509
- Reaction to Fire, Euroclass **A2-s1, d0** according to EN 13501-1
- Firemaster Lite – 100kg/m³ density stone wool core
- Firemaster Extra and Ultima – 120kg/m³ density stone wool core
- Panels less than 1.8m long can be supplied and are subject to an extra charge
- All panel lengths subject to technical verification

Technical Properties

Product Tolerances	
Length	± 10mm
Width	± 2mm
Thickness	± 2mm
Facing Squareness	± 2mm
Corners (leg length)	± 3mm
Flatness	1.5mm from the theoretical flat plane over a distance of 700mm
Joint gap	± 2mm

Structural Performance

Firemaster Maximum allowable spans (m) for internal wall and ceilings				
Core Thickness (mm)	Firemaster Wall Lite	Firemaster Wall Extra	Firemaster Wall Ultima	Firemaster Ceiling
75	-	8.2	-	5.5
100	6.9	9.4	-	6.1
125	7.7	10.5	-	7.0
150	8.4	11.5	11.5	7.6
170	9.1	12.0	12.0	8.0
200	9.75	12.5	12.0	8.5
240	9.75	12.5	12.0	8.5
300	-	12.5	12.0	8.5