

Trade Name: ASTRO FM COMPOUND Fire Resistant Mortar

Suitable for fire protecting large openings in floors and walls.

Fire Resistance testing to EN 1366-3 EI 60, E 90, BS 476 - 300mins.

Fire Classification EN 13501-2.

Load bearing for 1.5kN, 2.5kN and 5kN

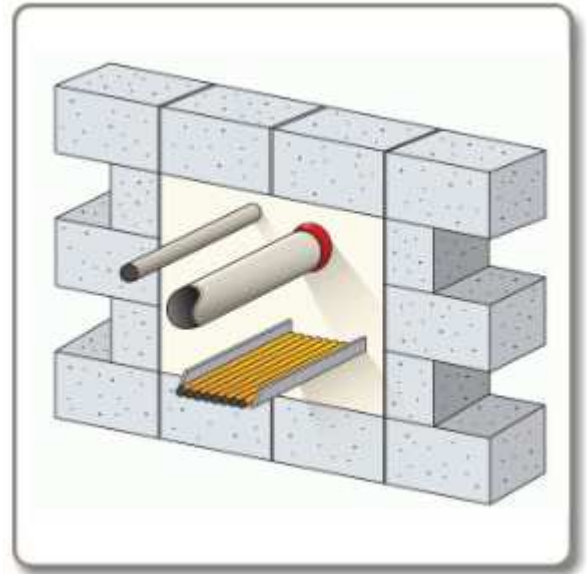
Up to 4 hours fire resistance for floors & walls

Acoustic Isolation testing to EN 10140 to 44dB.

Air Permeability testing to EN 1026 to 600Pa

Load bearing up to 5kN.

NHBC Type Approval



Certifire 3rd Party Accreditation CF613.

Description

A one part synthetic mortar which when mixed with water produces a trowelable or pourable compound suitable for the sealing of openings in walls and floors to prevent the passage of fire and smoke.

The seal is strong, non combustible, can be made load bearing.

Mortar has fire resistance to EN 1366-3 and BS 476 part 4 and 20. Up to 4 hours at 100mm thickness, 2 hours at 75mm thickness and 1 hour at 50mm thickness.

Additional services can be easily added through the mortar and resealed with further mortar. Where plastic pipes pass through the mortar, Astroflame Pipe Wraps should be used.

Tested to BS476: Part 20 Astroflame Fire Resistant Mortar can provide up to 6 hours fire resistance depending on depth/width.

Load bearing up to 5kN and suitable up to spans of 4700mm.

Life expectancy of over 20 years. Minimum waste. Can be reactivated to extend the working time.

Free of halogens, asbestos, fibres and silica and is non toxic.

Specification

Description	Off white free flowing powder
Density	1100-1111 kg/m ³
Fire Resistance - BS 476	4 hours at 100mm thickness 2 hours at 75mm thickness 1 hour at 50mm thickness
Insulation	100mm Thick – 240 minutes on seal face 75mm Thick – 120 minutes on seal face 50mm Thick – 60 minutes on seal face
Fire resistance - EN 1366-3	EI 60 E 90
Non combustibility	In accordance with BS 476 part 4
Maximum Opening Span	4700 mm
Load Bearing Specification	1.5, 2.5 and 5 kN/m ²
Mean Flexural Strength	2.12 N/mm
Compressive Strength	5.0 N/mm ²
Thermal Conductivity	0.289 W/mK
Air Permeability	600Pa EN 1026 - 100Pa 0.83/0.14 m ³ /h/m ²
Sound Reduction	46 dB reduction at 100 mm

Estimating quantities required

	By Volume Powder:Water	1 Hour Seal 50mm Thick	2 Hour Seal 75mm Thick	4 Hour 100mm
Pourable Grade	3:2 (approx)	48Kg dry mortar per m ²	71Kg dry mortar per m ²	95Kg dry mortar per m ²
Trowelable Grade	2:1 (approx)	51Kg dry mortar per m ²	75Kg dry mortar per m ²	100Kg dry mortar per m ²
Wall trowable	3:1	48kg dry mortar per m ²	71kg dry mortar per m ²	95kg mortar dry per m ²

Packing

Available in 20kg bags

To Order & Specify

Please quote- Quantity / Trade Name / Product Code / Weight
Typical wording - 20 / ASTRO FM COMPOUND / AFCC / 20kilo

Fire Test or Assessment Reports

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Installation

Instructions supplied with product or please refer to the online installation guide

Health and Safety

This product contains no fibres, halogens, silicone, solvents or added silica; we recommend that dust masks, gloves and eye protection be worn when handling/mixing the product. Normal good industrial and personal hygiene practices should be observed.

Environmental Impact

Fire Rated Mortar contributes to a Green Building :-
Low VOC (air quality).
No Power Tools required for installation (no energy source required).
Dust free.
Low Ozone Depletion Potential (ODP).
Low Global Warming Potential (GWP).
Smoke and Air Tightness.
Noise Reduction.
Thermal Insulation.
Recycling of Packaging.
Avoidance of Air Filtration.
Does not emit halogenated by-products.
Manufactured in accordance with ISO 14001.
Contains no raw materials known to have an estrogenic effect.
The life cycle of Fire Rated Mortar is over 20 years.

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME FIRESEALS LTD has no control over the installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product in its intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROflame (Fireseals) Ltd, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice.

Astroflame (Fire Seals) Ltd. Intumescent House
Unit 8, The IO Centre, Stephenson Road, Segensworth
FAREHAM, ENGLAND PO15 5RU

tel 0800 023 2482
(01329 844500)

fax 0800 023 2483
(01329 844600)

intl
tel +44 1329 844500

fax +44 1329 844600

email sales@astroflame.com

[Homepage.](#)