

Product name	Silverseal® Mortar
Product Code	FM
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Ref	PDS MORTAR



INTRODUCTION

Firestopit Silverseal® Mortar is a unique 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 and has a fire resistance to BS 476 part 4 and 20 for 4 hours at 100mm thickness, 2 hours at 75mm thickness and 1 hour at 50mm thickness.

The advantages of Silverseal® Mortar seal are as follows:

- Can be reactivated to extend the working time.
- Free of halogens, asbestos, fibres and silica and is non toxic.
- Suitable for indoor and outdoor use.
- Not effected by fungus and is environmentally friendly.
- Long life and ease of use with minimum waste.
- Acoustic Insulation.



SPECIFICATION

Description	Off white free flowing powder
Density	1100-1111 kg/m ³
Fire Barrier	4 hours at 100mm thickness 2 hours at 75mm thickness 1 hour at 50mm thickness
Insulation	100mm Thick – 240 minutes on seal face, 90 minutes on services 75mm Thick – 120 minutes on seal face, 75 minutes on services 50mm Thick – 60 minutes on seal face, 23 minutes on services
Non combustibility	In accordance with BS 476 part 4
Maximum Opening Span	3 metres
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
Sound Reduction	46 dB reduction at 100 mm



INSTALLATION

Silverseal® Mortar is available in 25kg sacks. Add powder to clean tap water to the required consistency and coverage. Silverseal® Mortar is to be installed in accordance with installation requirements. Installation details and technical support are available from Firestopit technical department or on the internet at www.firestopit.com

- Avoid prolonged contact with skin.
- Clean all surface areas free from dust, and coat bare metal with a good anti corrosive primer.
- Fit damming board/shuttering to bottom of opening.
- Pour Silverseal® Mortar to the required thickness.

For further information see Installation Manual.

	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



COMPLIANCE

Silverseal® Mortar is manufactured in the EU, meeting the highest quality standard in compliance to BS EN ISO 9001:2008. For fire test certification contact Firestopit technical department.
CERTIFIRE No. CF512



STORAGE AND DISPOSAL

Silverseal® Mortar should ideally be stored between +5°C and +25°C indoors, above ground level in dry well ventilated conditions.

Shelf life of Silverseal® Mortar is 6 months from date of manufacture.