

**PYROLASTIC®
FIRE RATED SILICONE**

Product name	Pyrolastic® Fire Rated Silicone
Product Code	FSM310
Revision Date	25/05/09
Revision number	01
Ref	PDS PYROL



INTRODUCTION

Firestopit Pyrolastic® Fire Rated Silicone is a one-part silicone sealant. It has excellent adhesion to porous and non-porous substrates used in the construction industry. High performance fire rated silicone sealant for fire sealing applications up to 100mm wide. Neutral curing fire rated silicone sealant with excellent weatherability, flexibility and being odourless. Primerless silicone sealant offering a 4-hour fire rating to BS476 part 20 & 22.

Pyrolastic® Fire Rated Silicone Sealant can be used for fire protection sealing of curtain walling, building facades, expansion joints, door frames and block work walls etc.

The advantages of Pyrolastic® Fire Rated Silicone are as follows:

- Fire rated up to 4 hours in both horizontal and vertical joints, low smoke
- tested to BS476 part 20 & 22
- Can be used in joints up to 100mm wide.
- Halogen free, ozone and radiation resistant.
- Non-slump, easy to apply and tool off.
- No priming required for most substrates.



SPECIFICATION

Packaging	310ml Cartridges / 600ml foils
Colour	White, Grey or Black
Slump	Nil at joints up to 30mm
Shrinkage	Approximately 5%
Cure Rate	3mm per day at 50% relative humidity 25°C
Shore A Hardness	16
Application temperature	+5°C to +40°C
Tack Free	20 mins at 25°C, 50% RH
Water Resistance	Very good when fully cured
U.V Resistance	Good
Joint Movement	25% of original joint size
Elastic Recovery	>90%





PERFORMANCE

All tests were carried out with the Sealant on fire side of furnace.

Joint Size Width x Depth	Backing	Joint Configuration	Integrity Rating (mins)	Insulation Rating (mins)	Linear Metres per Cartridge
6mm x 10mm	P.E. Foam	Single Seal	60	30	5.2
6mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	2.6
10mm x 10mm	P.E. Foam	Single Seal	60	30	2.6
10mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	1.55
15mm x 10mm	P.E. Foam	Single Seal	120	90	1.4
15mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	0.9
20mm x 10mm	P.E. Foam	Single Seal	120	90	0.92
20mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	0.5
25mm x 10mm	P.E. Foam	Single Seal	120	90	0.6
25mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	0.6
26 – 100mm x 10mm	C.B or P.E. Foam	Dual Seal	240	240	

PE Foam	Closed Cell polyethylene backer rod (nominal density 35kg/m ³)
CB	Ceramic Blanket Backing



INSTALLATION

Installation details and technical support are available from Firestopit technical department or on the internet at www.firestopit.com

- Clean all joints free from dust, oil and grease.
- Masking surrounding surfaces if necessary
- Ensure gap is filled using one of the above backing materials.
- Fill gap to the required depth, tool off for a smooth finish.
- Minimum depth to be 6mm

For further information see Installation Manual.



COMPLIANCE

Pyrolastic® Fire Rated Sealant is manufactured in the EU, meeting the highest quality standard in compliance with BS EN ISO 9001:2008. For fire test information please contact Firestopit technical department.

CERTIFIRE No. CF514



STORAGE AND DISPOSAL

Pyrolastic® Fire Rated Silicone is not affected by an outdoor environment, it is recommended for ease of installation that the product is stored indoors, ideally in dry frost free conditions between +5°C and +30°C. For health and safety details refer to Firestopit technical department.



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