

Fire Resistant Silicone Sealant

Fire protection solution for thin linear joints with high movement capability

FirePro® Fire Resistant Silicone Sealant is a one part neutral cure silicone which has excellent unprimed adhesion to most building surfaces and is designed to be used in joints with high movement capability or where they are formed between dissimilar substrates (e.g. steel and masonry). Tested in accordance with BS EN:1366-4, FirePro® Fire Resistant Silicone Sealant provides up to 4 hours fire protection.

Advantages

- Provides up to 4 hours fire protection in joints up to 40mm wide
- Gives high movement capability (30% of joint size)
- Provides a more durable seal for joints between dissimilar substrates (e.g. masonry to steel)
- 3rd Party Certified

Description

FirePro® Fire Resistant Silicone Sealant is a high specification, extruded from a cartridge loaded into a standard sealant gun. The depth of the joint will depend on the gap to be filled and the fire rating required (see fire rating).

All surfaces must be thoroughly clean and free of bond breaking contaminants prior to application of the sealant. No priming is required for most construction substrates however, it is recommended that a small area be tested on substrates.

Specification

Install FirePro® Fire Resistant Silicone Sealant to provide up to 4 hours fire protection in all joints up to 40mm. Installation to be fully in accordance with manufacturer's instructions.



FirePro® Fire Resistant Silicone Sealant

Colours

FirePro® Fire Resistant Silicone Sealant is available in white and grey. Other colours are available subject to minimum order quantities.

Fire rating

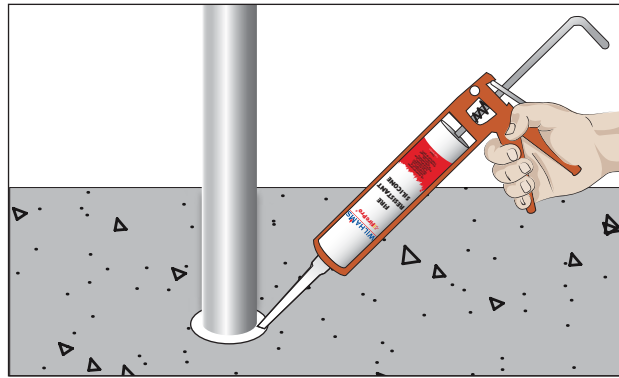
Joint Size	Sealant Depth	Backing Material	Dimension	Seal	Integrity	Insulation
15mm	10mm	PE	25mm diameter	Single	240 mins	120 mins
	10mm	Mineral wool	15mm thick x 10mm depth	Dual	240 mins	240 mins
25mm	15mm	PE	30mm diameter	Single	240 mins	120 mins
40mm	25mm	Mineral wool	40 x 25 mm depth	Dual	240 mins	240 mins

Coverage

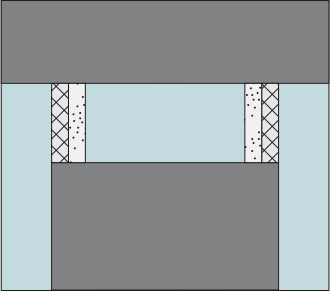
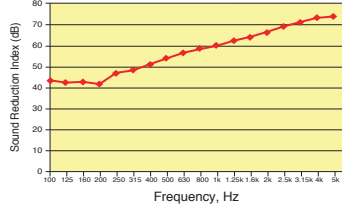
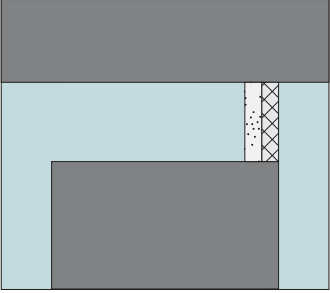
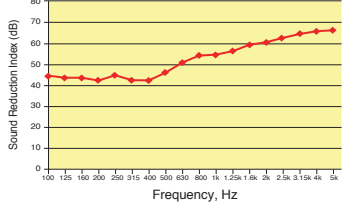
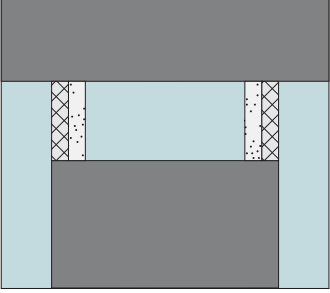
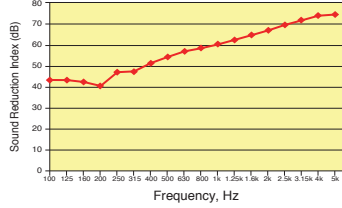
FirePro® Fire Resistant Silicone Sealant is available in 310ml cartridges. One cartridge will provide the coverage rates as shown in the table below:

Joint Size	Metres per Litre
6mm x 6mm	27.75
9mm x 6mm	18.50
12mm x 9mm	9.25
18mm x 12mm	4.75
25mm x 10mm	4.0

The sealant should not be applied if the ambient temperature is below 5°C as adhesion will be impaired.



FirePro® Fire Resistant Silicone Sealant sealing around service penetration passing through blockwork.

Wall Structures	Specification	Sound Insulation (R _w dB)	Test Report Number Graph
Transmission Loss Tests			
	1) Wall with FirePro® Fire Resistant Silicone Sealant over Polyethylene Backing Rod (both sides).	57	L/2827/5/R 
	1) Wall with FirePro® Fire Resistant Silicone Sealant over Polyethylene Backing Rod (1 side only).	52	L/2827/6/R 
	1) Wall with FirePro® Fire Resistant Silicone Sealant over Polyethylene Backing Rod (both sides).	57	L/2827/7/R 

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WILHAMS

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