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WILHAMS

WILHAMS INSULATION FAR EAST SDN BHD

FirePro®

Acoustic Intumescent Sealant

Fire protection solution for thin linear joints

As part of the comprehensive FirePro® range of fire protection products, FirePro® Acoustic Intumescent Sealant is suitable for sealing joints and service penetrations in fire walls, partitions, fire-rated door frames and glazing systems.

Tested to BS476 Parts 20 and 22, FirePro® Acoustic Intumescent Sealant provides up to 4 hours fire protection in joints up to 30mm width.

In addition to the fire rating the sealant may be used to seal joints in party walls to provide an acoustic seal.

Advantages

- Up to 4 hours fire rating
- Easy to install
- Resist passage of smoke
- Tested to Rw 57
- Suitable for joints up to 30mm

Description

FirePro® Acoustic Intumescent Sealant is a high specification, one part water based acrylic sealant, extruded from a cartridge loaded into a standard sealant gun.

Colours

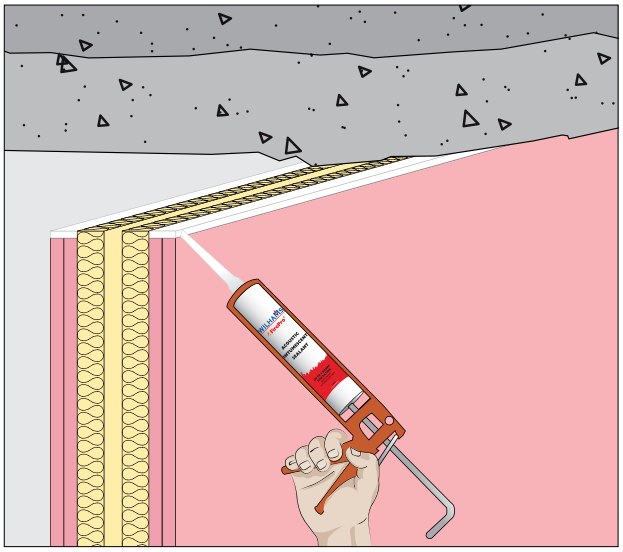
White, additional colours are available depending on quantity requirements.

Sizes

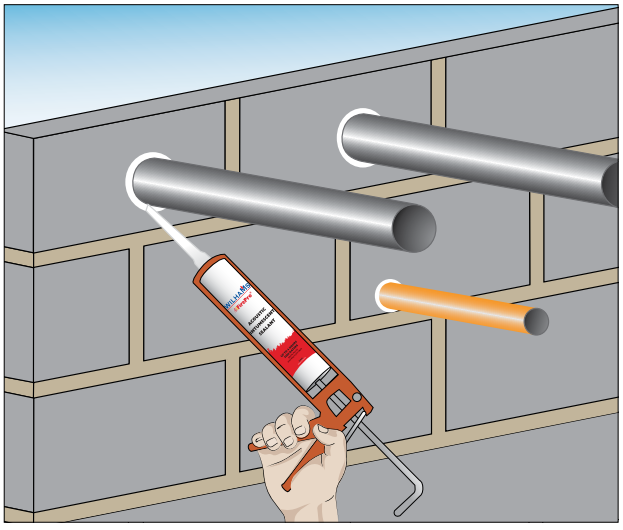
FirePro® Acoustic Intumescent Sealant is available in 310ml cartridges, 600ml foil packs and 900ml jumbo cartridges.

Specification

Install FirePro® Acoustic Intumescent Sealant to provide up to 4 hours fire protection in all joints up to 30mm in firewalls. Installation to be fully in accordance with manufacturer's instructions.



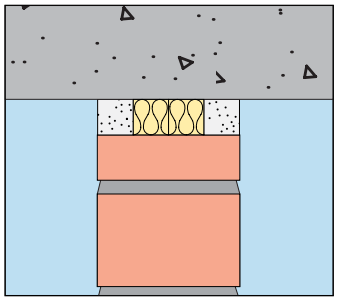
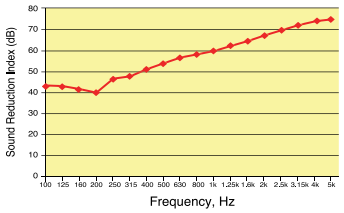
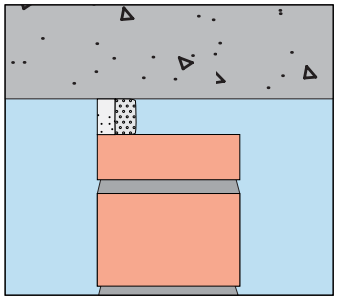
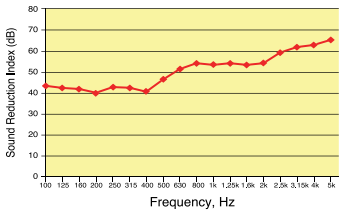
FirePro® Acoustic Intumescent Sealant in drywall to concrete soffit joints



FirePro® Acoustic Intumescent Sealant – Sealing around metal pipes

Performance and Properties

Acoustic Performance

Wall Structure	Specification	Sound Insulation (Rw dB)	Test Report Number Graph
Transmission Loss Tests			
	1. Wall with 25 x 25mm Conlit 100 and 25mm thick FirePro® Acoustic Intumescent Sealant (both sides) on 100mm thick dense aggregate concrete block	57	L/2827/3/R 
	1. Wall with 12mm thick FirePro® Acoustic Intumescent Sealant over 30mm Polyethylene Backing Rod (1 side only) on 100mm thick dense aggregate concrete block	52	L/2827/4/R 

Fire Rating

Joint Size	Depth of Sealant	Integrity	Insulation	Backing	No. of Seals
10 mm	10 mm	240 min	30 min	Fire & Acoustic Foam	Single
15 mm	10 mm	240 min	30 min	Fire & Acoustic Foam	Single
20 mm	15 mm	240 min	120 min	Fire & Acoustic Foam	Dual
20 mm	20 mm	240 min	60 min	* Linear Firestop 2	Single
30 mm	15 mm	240 min	120 min	Fire & Acoustic Foam	Dual
30 mm	15 mm	240 min	60 min	* Linear Firestop 2	Single

* See Linear and Trapezoidal Firestop Systems data sheet

Installation

FirePro® Acoustic Intumescent Sealant is used to seal joints and service penetrations in masonry or concrete walls. Gaps are sealed with a backing of PE foam or Conlit 100. The depth of the joint will depend on the gap to be filled and the fire rating required. (Refer to Fire Rating table). The opening in the partition is normally formed using partition stud and track sections. The exposed faces of the stud and track are faced with the same type and thickness of plasterboard that has been used for the partition linings, before the sealant is fitted.

FirePro® Acoustic Intumescent Sealant is used to seal gaps of up to 30mm using the following installation, method:-

1. Remove all loose debris, oil and grease from the joint.
2. Mask the adjacent surfaces to the joint.
3. Ensure that the joint is filled using an appropriate backing material for the fire rating you are trying to achieve.
4. Remove masking.

Do not apply the sealant if the ambient temperature is below 5°C as adhesion will be impaired.

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