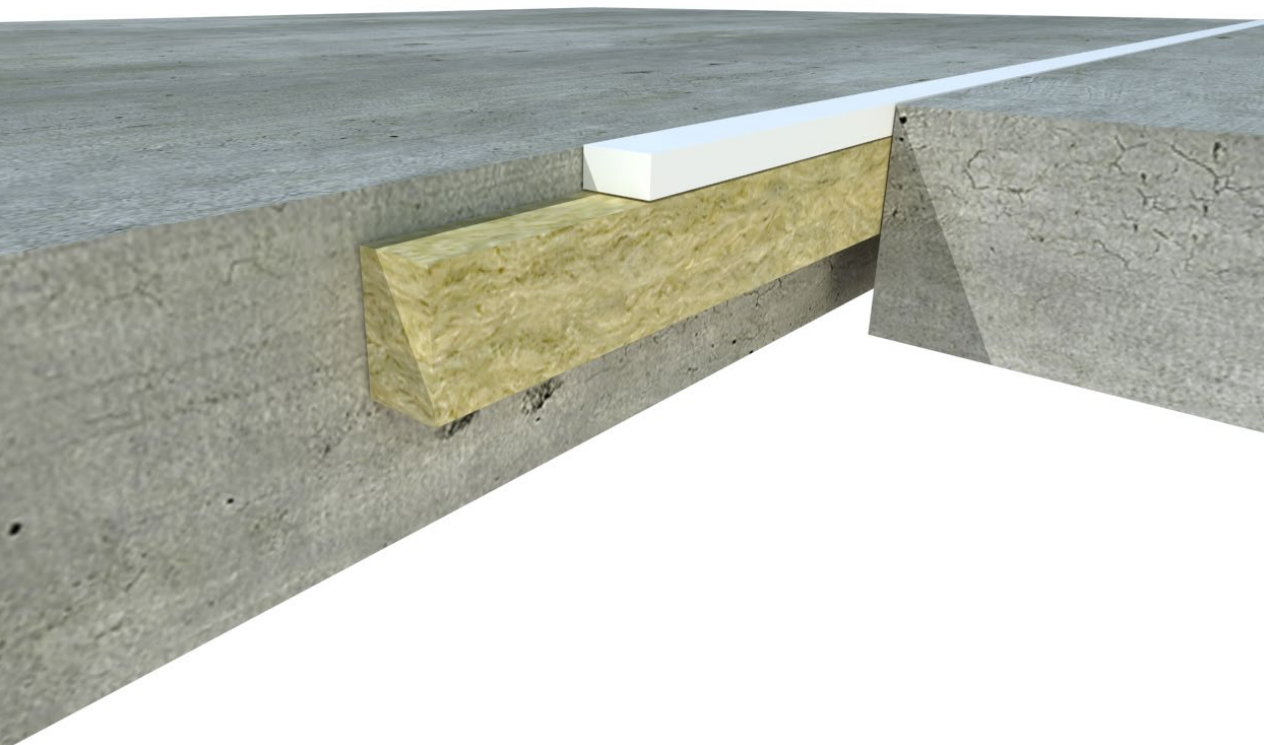


# **FIREPRO<sup>®</sup>** **ACOUSTIC** **INTUMESCENT** **SEALANT**

Fire & acoustic intumescent sealant for linear joints

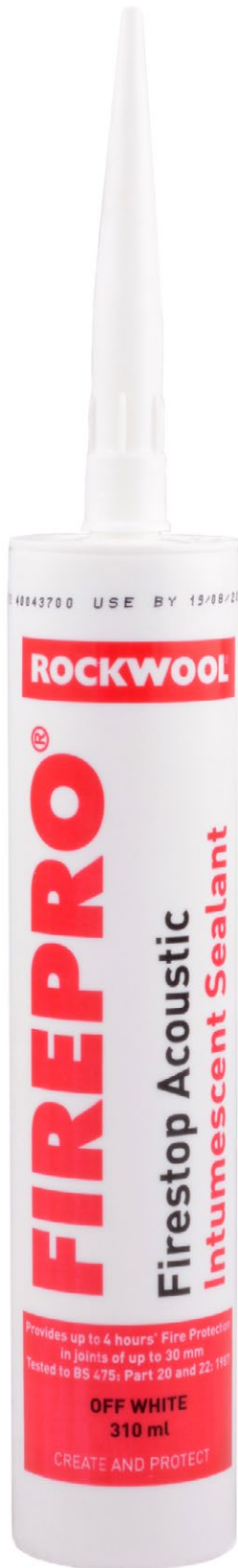


# FIREPRO® ACOUSTIC INTUMESCENT SEALANT

ROCKWOOL FirePro Acoustic Intumescent Sealant is used to reinstate the fire resistance of wall and floor constructions where apertures are penetrated by multiple services or linear gaps.

ROCKWOOL Acoustic Intumescent Sealant is comprehensively tested, and the only product approved for use with ROCKWOOL Ablative Coated Batt.





## Advantages

- Up to 4 hours fire protection
- Acoustically tested
- Air leakage tested
- Suitable for linear joints up to 50mm wide
- Suitable with multiple substrates and services
- Increased movement capability
- Available as a trowel grade option

## Description

Acoustic Intumescent Sealant is a high specification, one part water based acrylic sealant. Acoustic Intumescent Sealant is designed for use in the installation of ROCKWOOL Ablative Coated Batt, sealing linear joints and some individual service penetrations passing through various substrates.

## Applications

Acoustic Intumescent Sealant is comprehensively tested for a wide range of applications which include:

- Sealing service penetrations
- Linear joint seals
- Installation of Ablative Coated Batt

## Performance

### Standards and approvals

Acoustic Intumescent Sealant has been tested to BS EN 1366-3: 2009 and BS EN 1366-4: 2006 +A1:2010 and classified to EN 13501-2, providing up to 4 hours fire protection in joints up to 30mm.

Acoustic Intumescent Sealant has been CE marked against ETAG026-2.

Acoustic Intumescent Sealant is third party accredited through IFC and Certifire.

Acoustic Intumescent Sealant is third party approved with LPCB – certificate no. 022b(4)

### Fire performance

#### AIS Tables – Fire Protection

BS & EN Data for Aerated concrete walls and floors with substrates

Approval	Application	Gap width	Substrate combination	Integrity	Installation	Certifier document place
BS 476-20	Floor	up to 50mm	Variable	up to 120 mins	Single sided	CF5577 - PG 4
EN 1366-3	Floor	up to 50mm	Variable	up to 240 mins	Upper face	CF5577 - PG 7
EN 1366-4	Wall	up to 50mm	Variable	up to 120 mins	single sided	CF5577 - PG 5 & 6

Substrates include AAC, Softwood and Steel – please refer to CF5577 for combinations and individual ratings

#### CERTIFICATE No CF 5577 - EN1366-4 +A1 Approval Matrix

ROCKWALL®FirePro® Acoustic Intumescent Sealant							
Configuration	Max. Joint Width (mm)	Minimum Seal Depth (mm)	Backing Material	Integrity (mins)	Insulation (mins)	Movement %	
Wall Constructions (min 150mm thick)	Autoclaved Aerated Concrete	60*	20 (both faces)	Polyethylene 20mm & 50mm diameter	240	120	24 Shear 8.3 Lateral
		60*	5 (either face)	75mm deep, compressed 15%, stonewool 60kg/m <sup>3</sup>	240	60	25 Shear 12.5 Lateral

\* Pre movement

**Application technique:** For good adhesion the surfaces of the building element shall be free of any dust or grease and may need to be primed. On good clean, virgin concrete & masonry, no priming required.

#### CERTIFICATE No CF 5577 - EN1366-4 +A1 Approval Matrix

ROCKWALL®FirePro® Acoustic Intumescent Sealant							
Configuration	Max. Joint Width (mm)	Minimum Seal Depth (mm)	Backing Material	Integrity (mins)	Insulation (mins)	Movement %	
Floor Constructions (min 150mm thick)	Autoclaved Aerated Concrete	60*	20 (both faces)	Polyethylene 20mm & 50mm diameter	180	60	16.6 Lateral
		60*	5 (either face)	100mm deep, compressed 15%, stonewool 60kg/m <sup>3</sup>	240	240	25 Lateral

\* Pre movement

**Application technique:** For good adhesion the surfaces of the building element shall be free of any dust or grease and may need to be primed. On good clean, virgin concrete & masonry, no priming required.

EN 1366-3:2009 – Rigid and Flexible wall min 120 mm thick					
Service Type	Pipe O/D	Pipe Wall Thickness	Annular gap	Depth of Sealant	Classification
Copper and steel pipes	15 mm ≥ 159 mm	0.8 mm ≥ 14.2 mm	10 mm	25mm (both faces)	E120*

\* for insulation ratings please contact Rockwool Technical solutions

**CERTIFICATE No CF 5577 - EN1366-3 Approval Matrix**

Wall Installations: Double Sided Seals - ROCKWALL®FirePro® Acoustic Intumescent Sealant						
Cable and Cable Tray Size	Cut Out (mm)	Minimum Seal Depth (mm)	Backing Material	Integrity (mins)	Insulation (mins)	
Flexible or Rigid Wall Constructions (min 150mm thick)	Cables ≥ to 21mm	490mm long x 100mm high	25 (both faces)	75mm x 80kg/m <sup>3</sup> stone wool	120	90
	Perforated Cable Tray 450 x 50mm	490mm long x 100mm high	25 (both faces)	70mm x 80kg/m <sup>3</sup> stone wool	120	90
	Cables ≥ 21-60mm	200mm long x 100mm high	25 (both faces)	N/A	90	60

**Application technique:** For good adhesion the surfaces of the building element shall be free of any dust or grease and may need to be primed. On good clean, virgin concrete & masonry, no priming required.

**Rigid walls:** The wall must have a minimum thickness of 150mm and comprise concrete, aerated concrete or masonry with a minimum density of 450kg/m<sup>3</sup>.

**Flexible walls:** The walls must have a minimum thickness of 120mm and comprise timber or steel studs lined on both faces with a minimum of 2 layers of 12.5mm thick "Type F" Gypsum board according to EN 520. In timber stud walls no part of the penetration shall be closer than 100mm to a stud, the cavity must be closed between the penetration seal and the stud and a minimum of 100mm of insulation of Class A1 or A2 according to EN 13501-1 must be provided within the cavity between the penetration and the stud.

**CERTIFICATE No CF 5577 - Air Permeability**

ROCKWOOL®FirePro® Acoustic Intumescent Sealant- Approval Matrix					
Air Permeability: EN1026	Pressure (PA)	Positive pressure (m <sup>3</sup> /h/m <sup>2</sup> )	Negative pressure (m <sup>3</sup> /h/m <sup>2</sup> )	Weather Capability	Not evaluated by this approval
	50	0	0		
	100	0	0		
Acoustic Rating: BS EN ISO 10140-3:1995	R <sub>w</sub> (C <sub>1</sub> ;C <sub>2</sub> ):38(-2;-7) dB			Movement Capability	Movement parameters provided in the scope above
Smoke Toxicity BS 6853: 1999 Annex B.1 Incorporating Amendment No.1	R value of 0.19			Smoke Density BS 6853 D.3: 1999 Incorporating Amendment No.1	Ao (max) value 0.004

**Acoustic performance**

Weighted Sound Reduction Index (Rw) of up to 57dB dependant on:

- Type of construction
- Type of seal backing
- Size of joint

For specific information on acoustic performance please contact ROCKWOOL Technical Solutions on 01656 868490 or [technical.solutions@rockwool.co.uk](mailto:technical.solutions@rockwool.co.uk).

**Product information**

Property	Description
Application Temperature	>5°C
Yield	up to 5.9lm
Weighted Sound Reduction Index	up to 57dB
Fire Resistance	up to 4 hours

**Installation**

All surfaces must be thoroughly clean and free of bond breaking contaminants prior to application of the sealant. No priming is required for most commercial substrates; however, it is recommended that before installation the sealant is applied to a small area of the substrate to assess adhesion.

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

The sealant is fast curing, approximately 15-minute tack free time. When fully cured, the sealant can be overpainted.

Each cartridge/sausage is intended to provide the following application rates:

Joint size (mm)	Depth of sealant (mm)	Yield per cartridge (m)	Yield per sausage (m)
10	10	3.10	5.90
20	15	1.03	1.95
30	20	0.51	0.95



## Specification clauses

FirePro® Acoustic Intumescent Sealant is associated with the following NBS clauses:

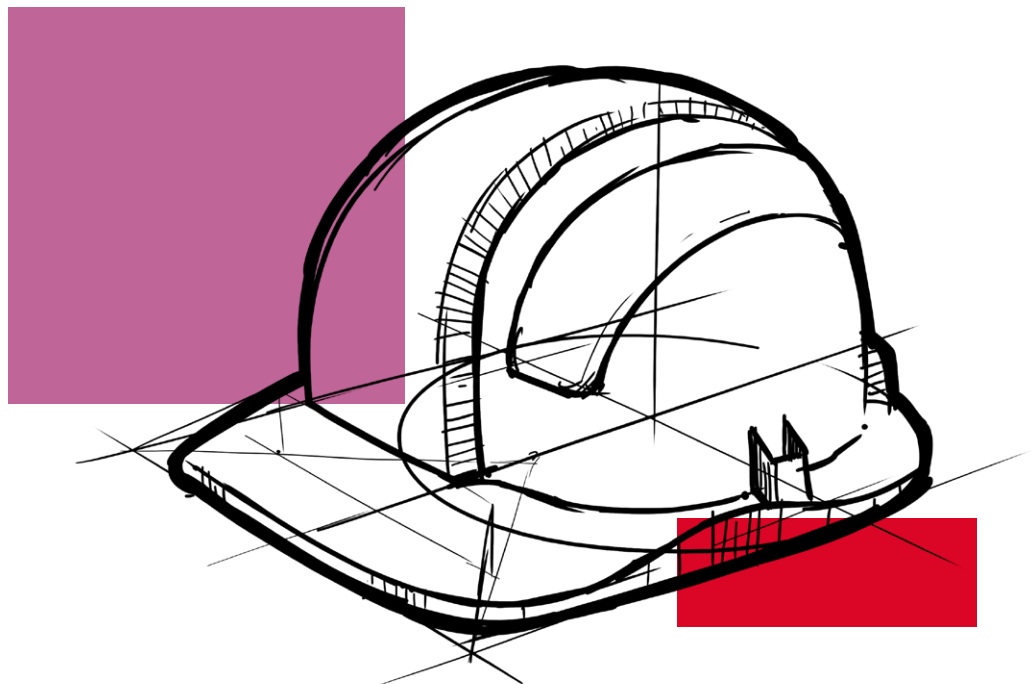
- E40: Designed joints in in-situ concrete – 530 Sealant
- F30: Accessories/sundry items for brick/block/stone walling - 610 Movement joints with sealants
- L10: Windows/rooflights/screens/louvres – 790 Fire resisting frames
- L20: Doors/shutters/hatches – 820 Sealant joints
- P12: Fire stopping systems – 395 Sealant-One part fire resistance acrylic

## Disclaimers

This product should only be utilised for applications as outlined in the relevant ROCKWOOL product datasheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally, the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit [www.rockwool.co.uk](http://www.rockwool.co.uk) or contact our Technical Solutions Team on 01656 868490.

## Supporting Information

For further information relating to any aspect of the FirePro range, please refer to the applicable ROCKWOOL standard details at [www.rockwool.co.uk](http://www.rockwool.co.uk) or contact the ROCKWOOL technical solution team on 01656 868490 or [technical.solutions@rockwool.co.uk](mailto:technical.solutions@rockwool.co.uk).



## Sustainability

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



**Fire resistance**



**Acoustic comfort**



**Sustainable materials**



**Durability**

## Health & Safety

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from [www.rockwool.co.uk](http://www.rockwool.co.uk) to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

## Environment

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.



## Interested?

For further information, contact the Technical Solutions Team on 01656 868490 or email [technical.solutions@rockwool.co.uk](mailto:technical.solutions@rockwool.co.uk)

Visit [www.rockwool.co.uk](http://www.rockwool.co.uk) to view our complete range of products and services.

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**Notes**

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April 2018

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