ROCKWOOL®

FIREPRO®

Acoustic Intumescent Sealant

Fire & Acoustic Intumescent Sealant for thin linear joints

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

The following NBS Plus clauses include 'Acoustic Intumescent Sealant': E40-530, F30-76, F30-610, L10-70, L10-790, L20-80, L20-820, P12-48, P12-395

Acoustic Intumescent Sealant

Tested to BS476 Part 20, ROCKWOOL Acoustic Intumescent Sealant provides up to 4 hours fire protection in joints of up to 30mm width.

Acoustic Intumescent Sealant is available in 310ml cartridges, 600ml foil sausage packs or 5 litre tubs.

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

Description

Acoustic Intumescent Sealant is a high specification, one part water based acrylic sealant. The sealant is extruded from a 310ml loaded cartridge into a standard sealant gun or a 600ml sausage loaded into a closed barrel sealant gun. The depth of the joint will depend on the gap to be filled and the fire rating required (see Tables 1 and 2).

Application

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.

ROCKWOOL Acoustic Intumescent Sealant in blockwork joints

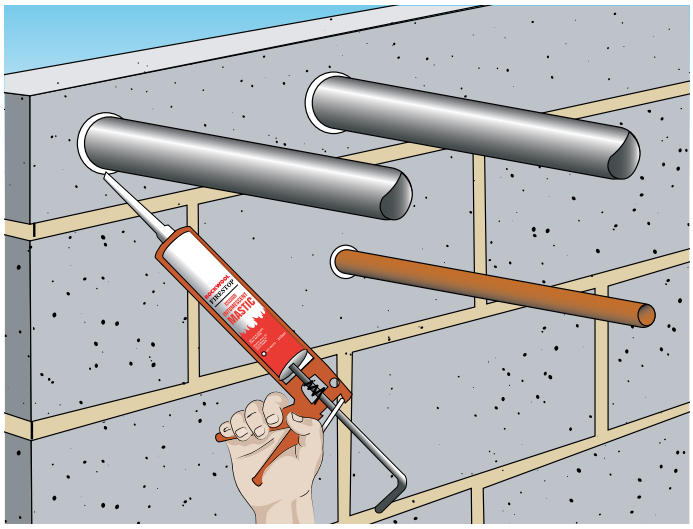

Figure 1 ROCKWOOL Acoustic Intumescent Sealant – Sealing around metal pipes

Available in 5 litre tubs, 600mml sausage packs and 310ml cartridges.

Performance & properties

Min wall width (mm)	Max. joint width (mm)	Sealant Depth (mm)	Backing	Type of Seal	Fire Resistance Integrity	Insulation
150	10	10	Polyethylene foam backing rod	Single	200	166
150	10	10	Polyethylene foam backing rod	Double	265	265
150	15	15	Polyethylene foam backing rod	Single	227	227
150	15	15	Polyethylene foam backing rod	Double	265	230
150	30	30	Polyethylene foam backing rod	Single	240	233
150	30	30	Polyethylene foam backing rod	Double	265	265
200	50	25	Ethafoam backing rod	Single	245	82

Table 2 - Aerated concrete floors

Min floor depth (mm)	Max. joint width (mm)	Sealant Depth (mm)	Backing	Type of Seal	Seal location	Fire Resistance Integrity	Insulation
230	50	25	Ethafoam backing rod	Single	Bottom	155	105
250	30	15	Ethafoam backing rod	Single	Bottom	243	65
250	20	10	Polyethylene foam backing rod	Single	Top	155	47
250	25	15	Polyethylene foam backing rod	Single	Top	240	73
250	50	25	Polyethylene foam backing rod	Single	Top	240	92

Note: Other performances are available – please contact Technical Solutions for details

Acoustic Performance
Weighted Sound Reduction Index (Rw) of up to 57db.
Dependant on:

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

Contact the ROCKWOOL Technical Solutions Team for more details.

Smoke Seal
ROCKWOOL Acoustic Intumescent Sealant will inhibit the passage of smoke.

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

Table 3

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

Colours
Available as standard in White.

Other colours are available for order, subject to relevant M.O.Q. Please contact ROCKWOOL Technical Solutions Team for further assistance.

Standards & approvals

Acoustic Intumescent Sealant has been tested and assessed to BS 476: Part 20 and is third party approved by the Loss Prevention Certification Board for performance and quality – Red Book certification no. 022b (4). Certificates can be accessed online at www.rockwool.co.uk and www.redbooklive.com

Specification

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

Building Regulations 2000 – Approved Document B – B2/3/4 – Internal fire spread (structure), paragraphs 0.10 – 0.11, state that the spread of fire inside a building can be restricted, by provisions for elements of structure to have a specified minimum period of fire resistance. Fire resistance is defined in terms of both integrity and insulation.

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