

Product Information

Description

FS702 cures to give a firm but flexible fire seal. Suitable for use in various construction joints offering up to 30% movement capability (refer to technical services for correct application details), whilst providing an excellent acoustic and air seal.

FS702 is ideally suited for use around small annular service penetration seals in walls and floors. FS702 has excellent adhesive qualities and can also be used for the bonding and pointing of joints and service penetrations in conjunction with FB750 coated boards.

Usage / Purpose

FS702 is suitable in low movement fire rated joints to seal between joints in FB750 fire rated coated batts, substrate to penetration service applications and pointing up of penetration seals. FS702 sealant may be used to provide a linear joint seal in various configurations.

SUBSTRATES

- Masonry to masonry
- Masonry to timber
- Masonry to steel
- FB750 to flexible wall
- FB750 to rigid wall
- Flexible wall to flexible wall
- Flexible wall to rigid floor
- Rigid floor to rigid floor
- Rigid wall to rigid wall

Colours

White and grey

Packaging

310 ml cartridges (12 per box)
600 ml sausages (12 per box)

Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

Usage Guidelines

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Necessary Tools

Standard cartridge/skeleton or mastic barrel gun; cartridge snip or suitable cutting implement; palette knife or spatula.

Preparation

- All surfaces must be clean and sound, free from dirt, grease and other contamination.
- Wood, plaster and brick may be damp but not running wet.
- Porous or high gloss surfaces require priming prior to application.
- Use mechanical abrasion to clean porous surfaces if necessary before application.
- Check specification is suitable for movement, fire rating and gap size required.

Application

- Insert backing material (refer to performance on backing materials), oversized to joint width to ensure stability, to provide correct depth of seal (minimum 6 mm).
- Width to depth ratio should typically be 1:1 or 2:1 depending on requirements.
- A light water spray or primer may be required on porous surfaces.
- Using a sharp knife, cut nozzle of cartridge to bead size and angle required.
- Gun sealant into gap to required depth by applying an even pressure to the trigger.
- Tool to a smooth finish immediately with a wet palette knife or spatula.

Coverage

To determine quantity of sealant required, calculate as follows (in mm) (Double Seal):

$$\frac{\text{Gap Width} \times \text{Depth} \times \text{Total Length}}{310} = \text{N}^{\circ} \text{ of cartridges}$$

For further guidance on application methods, and material requirements, please contact tremco illbruck Technical Services Department.

Cleaning

Immediately remove all excess sealant adjacent to the joint (masking tape may be used as a clean barrier for improved aesthetics). Clean tools in warm water.

Nullifire
Smart Protection

FS702

Water-borne Intumescent Acrylic Sealant

up to
240
mins



Key Benefits Summary

- Can achieve up to 4 hours joint fire resistance tested in accordance with EN 1366-4 and ETAG 026
- Ideal for sealing low movement joints - suitable for gaps up to 50 mm wide
- Suitable for rigid and flexible walls
- Used for sealing FB750 Coated Fire Batts
- Acoustics up to 61 dB
- Air seal up to 2,000 Pa
- Single sided seal tested
- Easily paintable

CE
ETA 17/0390

certifire
APPROVAL N° CF3347



FS702

Water-borne Intumescent Acrylic Sealant

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Technical information

Property	Test Method	Result
Composition		An intumescent acrylic mastic
Fire Performance		
Period of Fire Resistance	BS EN 1366-4	up to 4 hours
Acoustic Rating	BS EN ISO 10140:2-2010	up to 61 dB
Air Permeability	BS EN ISO 1023:2	Air tight up to 2,000 Pa
Properties (Typical Values)		
Solids Content		78% to 82%
pH Value		8.20 to 9.52
Flash Point		n/a
Specific Gravity		1.50 to 1.56
Viscosity		Thixotropic
Touch Dry	at 20°C	30 minutes
Cure Through Time	at 20°C - 20 mm depth	20 days

Performance

Backing Material

This section relates to the change of material used to back a seal or sealant as part of a sealing system for apertures for penetrations of multiple services and linear joint seals. Backing material may not be omitted unless full fill is achieved.

Backing Material	Effect	Comment
Polyethylene / Polyurethane Rod	= or +	May be replaced by mineral wool
Glass Wool	= or +	May be replaced by stone wool or ceramic wool
Stone Wool	= or +	May be replaced by ceramic wool
Ceramic Wool (including ceramic alternatives)	=	May only be replaced by alternative material of equivalent material properties, i.e. density, thermal conductivity, melting point, shrinking, reaction to fire classification - for example alkaline earth silicate fibres
Increase in backing material depth	+	Acceptable for class A1 and A2 materials.
Decrease in backing material depth	-	Not acceptable.

Storage

Store in dry conditions between +5°C and +40°C. Product may be left for short periods (not exceeding 72 hours) at temperatures as low as -5°C. Allow product to defrost for 24 hours at +10°C before use.

Shelf Life

18 months when stored as recommended in original unopened containers.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b)

in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.
No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.
tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.



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