

CI/SfB	(29)	(k2)
CAW P10		
Uniclass JP10:L68114		

Product Information

Description

FFS709 is a high pressure exerting, graphite intumescent mastic which when exposed to fire expands, protecting penetrations including cables, cable bunches, cable trays, plastic and metallic pipes. FS709 maintains the integrity and insulation performance of the seal through masonry and plasterboard and some limited uses within FB750 Batts.

Usage / Purpose

FS709 is designed to close off gaps and penetrations in compartment walls and floors, to provide up to 4 hours fire resistance. This product has been formulated to close off plastic pipe penetrations in the event of a fire, negating the need for pipe closers or wrap systems. FS709 is suitable for the following service penetrations up to 125 mm; PVC pipes, ABS pipes, HDPE pipes including Armaflex and glass wool insulation. FS709 can also be used with metallic pipes, cables and cable bunches including telecommunication cables, cable trays and cable ladders.

Colour

Grey

Packaging

310 ml cartridges (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

Skeleton/sausage gun, palette knife and spatula.

Preparation

- Ensure that the substrate and penetrating services are compatible with FS709, and that site conditions are within specification. Check that sufficient annular space is available to allow correct installation.
- Clean all surfaces of loose particles, moisture, oils, grease and corrosive materials. We recommend that the surface or substrate temperature be 5°C or above at the time of application. Contact Technical Services for advice regarding lower temperature application.

Application

- Mineral wool (min. 80 kg/m³) or PE backing rod can be used as a backer where and when required. Backing material is always required to achieve a correctly installed seal. FS709 should be applied around the service on both exposed faces if the risk of fire is from both sides
- PE backing rod is only for use around combustible pipe where the correct 20 mm annular has been core drilled
- For larger annular spaces or slots not exceeding 600 x 600, a minimum 33 kg rock mineral wool backer should be used to the full depth of the cavity.
- The minimum depth of product is 25 mm with a minimum annular of 20 mm.

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.

FS709

Intumescent Sealant

up to
240
mins



Key Benefits Summary

- Certified to the latest European standards EN 1366-3 and EN1366-4, Classified to EN 13501-2:2007
- Up to 240 minutes fire resistance
- A+ internal air quality rating
- Can be used in FB750 Batt
- Tested with combustible pipes up to 125 mm
- Tested for use in linear gaps up to 25 mm
- Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders

CE

ETA 17/0388



FS709

Intumescent Sealant

Nullifire
Smart Protection

Technical information

Property	Test Method	Result
Description and Colour		Aqueous Thixotropic Paste - Grey
Specific Gravity		1.3
Viscosity		Thixotropic
Application Temperature		+5°C to 35°C
Flash Point		N/A
Tack Free Time		60- 120 minutes depending on temperature & humidity
Cure Time	at 20°C- 20 mm depth	20 days
pH		8.5- 9.5
Internal Air Quality		A+
Period of Fire Resistance	BS EN 1366-3/4	up to 4 hours
Service Temperature Range		-25°C to +70°C
Storage	Store between +5°C and +35°C in dry conditions. Keep away from sources of ignition.	
Shelf Life	12 months in unopened and stored as indicated.	

Installation guide

A circular motion is recommended when installing the sealant to fill the required gap. FS709 can be easily built up to effectively fill the annular space with very little wastage or slump. Using a sharp knife, cut nozzle of cartridge or sausage 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.

NOTE: If FS709 is exposed to elevated levels of moisture before fully cured, it is likely to be damaged. It is recommended that contact with moisture or condensation during the application and drying of FS709 should be avoided.

Maintenance

No maintenance required after installation. Routine inspection recommended to ensure no damage.

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.