

CI/SfB	(29)	Yt4	(k2)
CAW P10			
Uniclass JP10:L68114			

Product Information

Description

FF170 is a modified, single component, fire rated polyurethane foam.

Usage / Purpose

FF170 is used to seal linear gaps.

LIMITATIONS

As with all PU foams, FF170 will not adhere to Teflon, polyethylene or silicone coated surfaces. The cured foam is adversely affected by UV light and should be covered with a suitable sealant such as FS703 silicone or FS701 intumescent acrylic.

Colour

Red

Packaging

750 ml pressurised canister

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

Cutting knife, tape for masking of adjacent areas. Unstable areas may need to be clamped or secured during curing.

Preparation

- Always carry out a test to confirm compatibility prior to use.
- Protect floor coverings with paper or a plastic film.
- The surfaces must be dry, solid, stable and capable of carrying the load of the panels to be installed.
- Remove all loose particles, dust and grease.
- A speedier cure can be attained by moistening the substrates if needed.

Application

- Shake the canister vigorously at least 20 times. Leaving the cap on the can, screw the nozzle firmly into the connector on the top of the trigger.
- Remove safety catch and pull the trigger to activate can. Fill approximately half of the required depth of the cavity because the foam will expand.
- On horizontal surfaces always work away from the exuding bead and work upwards on all vertical surfaces.
- The foam is firmly set in approximately 1 hour (depending on temperature and humidity) when any excess can be trimmed with a sharp blade.

Cleaning

Remove excess foam immediately with illbruck PU foam cleaner or acetone. Ensure surface is solvent resistant before cleaning. Cured foam can only be removed mechanically.

Storage

Store between +10°C and +30°C in dry conditions.

Shelf Life

9 months when stored in its original unopened containers.

Health & Safety Precautions

Safety data sheet must be read and understood before use. Extremely flammable - keep away from open flames and other ignition sources.

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.

Nullifire
Smart Protection

FF170

Hand Held Fire Rated PU Foam

up to
240
mins



Key Benefits Summary

- Certified to the latest British and European standards EN 1366-4 and EN 13501: Pt 2
- Features the patented ergonomic cap system for ease-of-use, improved yield and accurate dosage during application
- Acts as an effective fire seal for up to 4 hours (BS EN 1366-4) when used with FS702 intumescent acrylic or FS703 silicone sealant

CE
ETA 15/0172



FFI70

Hand Held Fire Rated PU Foam

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Technical Information

Property	Test Method	Result
Composition		Polyurethane foam
Fire Performance*	In accordance with BS EN 1366-4 EN 13501: Pt 2 :2007	Up to 4 hours
Canister Temperature Limits		+10°C to +30°C
Ambient Temperature Limits		+5°C to +35°C
Density	LAB015- 3 cm in width at 23°C and 50% RH	25-35 kg/m ³
Tack Free Time	FEICA TM1014	10 minutes
Cutting Time	FEICA TM1005	60 minutes
Loading Time		24 hours
Tensile Strength	FEICA TM1018	105 kPa
Shear Strength	FEICA TM1012	61 kPa
Thermal Conductivity	EN 12667	36 mW/m.K
Temperature Resistance		Short Term: -40°C to +130°C Long Term: -40°C to +90°C

*Please note that achievable fire rating depends upon specific joint configuration

Performance Data

Vertical Joints in Walls - Depth Completely Filled Fire Resistance in Minutes

Wall Thickness	Joint Width				
	5 mm	10 mm	20 mm	30 mm	40 mm
100 mm	180	45	45	45	
100 mm - finished with FS711	180				
150 mm	240	90	90	90	60
150 mm - finished with FS711	180	240	240		
200 mm	240	90	90	120	60
200 mm - finished with FS711	180	240	240		

Horizontal Wall and Floor Connection Joints Fire Resistance in Minutes

Floor Thickness	Joint Width				
	5 mm	10 mm	20 mm	30 mm	40 mm
150 mm	240	90	90	90	
150 mm - finished with FS711	240				60



FFI70

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Resistance to fire (EN 13501-2)				
Construction	Sub- strate	Foam Depth	Coating ¹⁾	Classification
Rigid floor (horizontal)	Aerated Concrete	150 mm	No	EI90-H-X-F-W 00-30
Rigid floor (horizontal)	Aerated Concrete	150 mm	Yes	EI60-H-X-F-W 00-40
Rigid wall (vertical)	Aerated Concrete	150 mm	No	EI90-V-X- F-W 00-30
Rigid wall (vertical)	Aerated Concrete	150 mm	No	EI60-V-X- F-W 31-40
Rigid wall (vertical)	Aerated Concrete	150 mm	Yes	EI240-V-X-F-W 00-20
Rigid wall (vertical)	Aerated Concrete	150 mm	No	EI45-V-X-F-W 00-30
Rigid wall (vertical)	Aerated Concrete	150 mm	Yes	EI180-V- X-F-W 00-05
Rigid wall (vertical)	Aerated Concrete / Softwood	150 mm	No	EI180-V-X-F-W 00-10
Rigid wall (vertical)	Aerated Concrete / Softwood	150 mm	Yes ²⁾	EI180-V-X-F-W 00-30

1) Coated with 1 mm Nullifire FS711 to both faces
2) Coated with 1 mm Nullifire FS711 to both faces

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.