

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

Product Information

Description

FF197 is a modified, single component, fire rated polyurethane foam.

Usage / Purpose

FF197 is used to seal linear gaps throughout the fire rated areas of a building.

LIMITATIONS

As with all PU foams, FF197 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

Grey

Packaging

880 ml pressurised canister (12 per box)

Availability

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

Usage Guidelines

Necessary Tools

Cutting knife, tape for masking of adjacent areas. illbruck PU solvent cleaner to clear gun after use. 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.
- 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. Remove the protective cap and screw onto the illbruck PU foam gun.
- Invert can and direct nozzle into gap and press gently on the adaptor to establish the correct flow rate.
- 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

Clean the gun by removing the foam canister and replacing with a can of illbruck PU foam cleaner. 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 +5°C and +25°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.

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

FF197

Gun Grade Fire Rated PU Foam

up to
240
mins



Key Benefits Summary

- Certified to the latest British and European standards EN 1366-4, DIN 4102 Pt 1 (B1) and EN 13501: Pt 2
- Cures to form a semi-rigid foam that is able to accommodate some degree of movement of the joint
- Acts as an effective fire seal for up to 4 hours (BS EN 1366-4) when used with FS701 intumescent acrylic or FS703 silicone sealant



FFI97

Gun Grade 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
Classification	DIN4102: Part 1	B1
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	30- 40 kg/m ³
Tack Free Time	LAB014- 3 cm in width at 23°C and 50% RH	10 minutes
Cutting Time	LAB014- 3 cm in width at 23°C and 50% RH	60 minutes
Loading Time		24 hours
Tensile Strength	DIN 53455	103 kPa
Shear Strength	DIN 53422	80 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

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.

Performance

Tested Gap Widths (mm)	Substrate Depth (mm)	Installation	Integrity (minutes)	Insulation (minutes)
10			90	90
20		100 mm deep PU Foam	60	60
30			45	45
10	Concrete - Concrete 100 mm	1:1 ratio FS701 back filled with PU Foam	240	240
20			120	120
10		1:1 ratio FS703 back filled with PU Foam	240	240
20			240	180
30			240	180
10			240	240
20	Concrete - Concrete 200 mm	200 mm deep PU Foam	180	180
30			120	120
10		1:1 ratio FS701/FS703 back filled with PU Foam	240	240
10			240	240