

FF197

Fire Rated PU Construction Foam

19-02-2025 / V 1

Description

FF197 is a modified, single component, fire rated polyurethane foam used to seal door frames, window frames and linear gaps throughout the fire rated areas of a building.



Features and Benefits

- Tested to BS EN 1634-1 (fire door): FD60 performance achieved.
- Tested to BS EN 1366-4 (linear gaps) : up to 4 hours fire resistance (coated or uncoated).
- Tested without architrave (fire door).
- Tested with plastic packers (fire door).
- Gaps up to 35 mm (fire door).
- Excellent acoustic performance - up to 62 dB.
- Tack free in 10 minutes.
- 2-in-1 gun & nozzle canister.

Usage Purpose

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

Packaging

750 ml pressurised canister (12 per box)

Available Colour

Grey

Storage

Store between +5°C and +25°C in dry conditions.

Certificates & Approvals

ETA 20/1338
2812-CPR-JA5067
CF5325

Technical Data Sheet

FF197

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Technical Characteristics

Composition	Polyurethane foam	
Compression Strength At 10%	FEICA TM 1011	47 kPa
Density	LAB015 - 3 cm in width at 23°C and 50% RH	20-30 kg/m3
Yield	FEICA TM 1003	45 litres
Thermal Conductivity	EN 12667	0.036 W/m.K
Application Temperature		+5°C to +35°C
Tensile Strength	FEICA TM 1018	81 kPa
Shear Strength	FEICA TM 1012	57 kPa
Storage	Store between +5°C and +25°C in dry conditions.	
Shelf Life	12 months when stored in its original unopened containers.	
Cleaning	Immediately after application, clean the gun by removing the foam canister and replacing with a can of illbruck AA290 PU foam cleaner, and follow instructions on AA290 can. Remove excess foam from unintentional application immediately with illbruck AA290 PU foam cleaner or acetone and a dry cloth. Cured foam can only be removed mechanically	

Substrate Preparation

Ensure suitability of product prior to use. Protect all surrounding areas & substrates which are required to remain free of FF197, using a suitable protective barrier. The surfaces must be solid and stable. Remove all loose particles, dust and grease. A speedier cure can be attained by moistening the substrates if needed.

Necessary Tools

PU foam application gun
Masking tape
Suitable cutting knife
PU gun cleaning solvent

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.

Areas Of Application

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Preparation

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Application

Immediately prior to use, shake the canister vigorously at least 20 times.

Remove the protective cap and screw onto the Nullifire PU foam gun or use the nozzle provided.

Fill approximately 80% of the required depth of the cavity because the foam will expand.

Work upwards on all vertical surfaces.

The foam is firmly set in approximately 1 hour (depending on temperature and humidity); excess can be trimmed with a suitable cutting knife.

Applying a light misting of clean water between each layer before subsequent application will permit faster cure and increase density.

Tool Cleaning

- Immediately after application, clean the gun by removing the foam canister and replacing with a can of illbruck AA290 PU foam cleaner, and follow instructions on AA290 can.
- Remove excess foam from unintentional application immediately with illbruck AA290 PU foam cleaner or acetone and a dry cloth.
- Cured foam can only be removed mechanically

Please Note

Use in well ventilated conditions.

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 or FS702.

For nozzle application, invert can and direct nozzle into gap and press gently on the adaptor to establish the correct flow rate.

Ensure the surface to be cleaned is solvent resistant prior to using or applying AA290 as a cleaning agent.

AA290 TDS & SDS are available at www.illbruck.com/AA290.

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Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, 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 CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

It is a requirement of the installer to ensure suitability and compatibility of all elements before installation commences and that compliance can be achieved as required.

Health And Safety Precautions

Safety data sheet must be read and understood before use.

Extremely flammable aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

Technical Service

Tremco CPG UK Limited 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

Technical Data Sheet

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Certification

