

Cl/SfB	(29)	Yt4	(k2)
CAW P10			
Uniclass JP10:L68114			
January 2014			

FF177

Hand Held Fire Rated PU Foam

KEY BENEFITS SUMMARY

- Certified to the latest British and European standards EN 1366-4, DIN 4102 Pt 1 (B1) 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 Nullifire M701 intumescent acrylic or M703 silicone sealant

PRODUCT INFORMATION

Description

Nullifire FF177 is a modified, single component, fire rated polyurethane foam.

Usage / Purpose

Nullifire FF177 is used to seal linear gaps.

LIMITATIONS

As with all PU foams, Nullifire FF177 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 Nullifire M703 Silicone or M701 Intumescent Acrylic.

Colour

Grey

Packaging

880 ml pressurised canister

Availability

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

USAGE GUIDELINES

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 +5°C and +25°C in dry conditions.

Shelf Life

9 months when stored in its original unopened containers.

Health & Safety Precautions

Product Safety Data Sheet must be read and understood before use.

Technical Service

Nullifire 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 02476 855000.



Nullifire®

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

This information is offered in good faith but without guarantee or liability. In cases of doubt, users should consult with relevant authority.

Information given herein is supplied for your guidance only and is based upon the results of controlled tests and experience obtained in the application of the product referred to by Nullifire. As the supplier only, Nullifire has no control over the method or conditions of application of the product and consequently no warranties expressed or implied are intended to be given as to the coverage or performance of the products mentioned or referred to herein and no liability will be excepted for any loss, damage or physical injury resulting from the use or application of the information, data or products mentioned or referred to herein.

PERFORMANCE

Tested Gap Widths (mm)	Substrate Depth (mm)	Installation	Integrity (minutes)	Insulation (minutes)
10	Concrete - Concrete 100 mm	100 mm deep PU Foam	90	90
20			60	60
30			45	45
10		1:1 ratio M701 back filled with PU Foam	240	240
20			120	120
10			240	240
20	1:1 ratio M703 back filled with PU Foam	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 M701/M703 back filled with PU Foam	240	240
10			240	240



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