



## Fire Rated Expanding Foam | Installation Instructions



750ml  
Hand Held  
PFRF750A



750ml  
Gun Application  
PFRF750GUN

Pyroplex Flame retardant based polyurethane expanding foam for sealing gaps around door frames or perimeter pointing.

**Performance and Certification:** Fire – BS EN 1366-4 | Certifire TS40 Certificate CF828

### Installation instructions

#### Preparation of the substrate:

- 1.0 Surfaces must be firm, clean, free of dust and loose particles. The cavity or voided area to be filled must be well moistened with water, this will aid installation adhesion to the substrate. It may be necessary to use a primer, prior to the application of the foam.
- 2.0 It is important to use the foam within a temperature controlled environment, the minimum temperature to which the foam can be installed should be no less than +20°C.
- 3.0 If the temperature is below +20°C, the foam may show signs of slumping and irregular expansion.
- 4.0 Cans should not be left in an over-heated environment, temperatures above +50°C or exposed to direct sunlight.
- 5.0 Prior to application, ensure that the surrounding area is protected, in particular when using the foam in retrofit applications. It may also be necessary to mask and protect the surrounding area of the cavity, particularly in areas where the compartment may be decorated or furnished.
- 6.0 Shake the can for two minutes, until the foam inside becomes liquid. This is essential to ensure the performance of the product. Then attach the adapter or gun to the canister.
- 7.0 Fill the cavity from the base of the aperture slowly and build up the layers of the foam, ensuring that the void is filled. Take care not to over-fill the cavity.

8.0 Allow the foam to cure and using a sharp bladed instrument, cut-off the expanded 'cured' foam.

9.0 Ensure that empty cans are disposed of by reference to local regulations.

### Specification Overview

Characteristics	Appearance – result
750ml canister	Approximately 38 litres
Cell structure	Medium fine in appearance
Tack time	6 to 12 mins, dependent upon environmental conditions
Tool time [cutting]	Under 30 mins, dependent upon environmental conditions
Full stability load bearing [20mm bead]	After approximately 12 hours
Tensile strength TM108 [dry surface]	18N/cm <sup>2</sup>
Elongation @ tension TM108 [dry surface]	18%
Shear strength TM1012 [moistened surface]	>40 kPa
Thermal conductivity [EN12667]	0.03W/mk

### Maintenance and installation records

Pyroplex Limited recommend that all firestopping materials are checked on a regular basis to ensure that the product remains integral.

### Product guarantee

Providing the product is installed in accordance with the requirements of the guidance document, the fire performance characteristics of the product is guaranteed for a period of 10 years.

