

Product Data Sheet

Astro FR-EC Economy Foam

Revision 5 - 6th February 2019



Astro FR-EC Economy Foam

Fire Rated Foam

- Ready to use PU foam in a 750ml can.
- Fire retardant up to 240 minutes.
- Tested in accordance with EN1366-4 : 2006.
- Efficient seal against smoke and gas.
- Excellent adhesion on most construction substrates.
- High bonding strength.
- Very good filling characteristics.
- Excellent stability: no shrink or post expansion.
- Cured foam can be overpainted.



Product Description

Note: This product is fire rated but is not intumescent.

A one-component, self-expanding, ready to use polyurethane foam that uses 'green' propellants, harmless to the ozone layer and without greenhouse gas effects. It has a fire rating of up to 240 minutes (tested according EN1366-4).

- Typical use in linear joint seals.

Properties & Specification

Base	Polyurethane
Consistency	Stable foam
Curing system	Moisture-cure
Skin formation - (20°C/65 % R.H.)	Ca 8 minutes
Drying time - (20°C/65 % R.H.)	Tackfree after 25min.
Curing rate - (20°C/65 % R.H.)	2 hr for a 30 mm bead
Yield	1000 ml yields 25-40 Lcured foam when extruded in beads
Shrink	None
Postexpansion	None
Colour	Light Red
Cellular structure	>70 % closed cells
Specific gravity	Ca. 25 kg/m ³ extruded, fully cured
Temperature resistance	-40°C to +90°C when cured

Product Availability

Sold in 750 ml pressurised canisters individually or boxes of 12.

Shelf life is 9 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25

Product Code	Product Description	Size
AFFRECFOAM	Astro FR-EC Economy Foam	750ml

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / sizes
 Typical example:- 10 / AFFRECFOAM / Astro FR-EC Economy Foam / 750ml

>> Tel: [01329 844 500](tel:01329844500) or >> Email: sales@astroflame.com

Application

Shake the aerosol can for at least 20 seconds.

Moisten surfaces with a water sprayer prior to application.

Fill holes and cavities for 65 %, as the foam will expand.

Repeat shaking regularly during application.

If you have to work in layers repeat moistening after each layer.

Fresh foam can be removed using Soudal Foamcleaner or acetone. Cured foam can only be removed mechanically.

Working temperature 5°C to 40°C. (20°C-25°C recommended)

Cured PU-foam must be protected from UV radiation by painting or applying a top layer of sealant (silicone, MS Polymer, acrylic and PU sealant)

Fire Test or Assessment Reports

- Tested in accordance with EN1366-4

Test Results: Test Report 9297C - University of Ghent*

Wall Thickness	Joint Dimensions	Backing Material	Flame resistance in minutes
200mm	Width: 11mm Depth: 200mm	None	229 min Fire Rating EI 180
200mm	Width: 41mm Depth: 200mm	None	110 min Fire Rating EI 90
100mm	Width: 30mm Depth: 100mm	None	50 min Fire Rating EI 45
100mm	Width: 10mm Depth: 100mm	None	103 min Fire Rating EI 90

Test Results: Test Report 13492 - University of Ghent*

Wall Thickness	Joint Dimensions	Backing Material	Flame resistance in minutes
200mm	Width: 10mm Depth: 200mm	None	240 min Fire Rating EI 240
200mm	Width: 30mm Depth: 200mm	None	158 min Fire Rating EI 120

Installation

Please see installation sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)
 or E: sales@astroflame.com

Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)
 or E: sales@astroflame.com

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME FIRESEALS LTD has no control over the installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product in its intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROflame (Fireseals) Ltd, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice.