

SOUDAFOAM FR GUN

Revision date: 06/03/2007

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Technical data:

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 25 min .
Curing rate - (20°C/65 % R.H.)	2 h for a 30 mm bead
Yield	1000 ml yields 35-40 L cured 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:

Soudafoam FR Gun is a one-component, selfexpanding, ready to use polyurethane foam. It contains propellants, which are completely harmless to the ozone layer and greenhouse effect. It has a fire rating of up to 240 minutes (tested according EN1366-4).

Characteristics:

- Fire retardant up to 240 minutes – see table enclosed
- Efficient seal against smoke and gas
- Excellent adhesion on most substrates (exempt Teflon, PE and PP)
- High thermal and acoustical insulation
- High bonding strength
- Very good filling characteristics
- Excellent stability: no shrink or postexpansion
- Can be painted after full cure
- Fitted with the Click&Fix system for ultimate ease in application

Application examples:

Fire retardant installation of window- and doorframes
Fire- and smoke retardant sealing of connections between partition walls, ceilings and floors
Filling of cavities

All applications where fire retardant characteristics are required such as:

- sealing of all openings in roof constructions
- sealing of cable- and pipe penetrations
- creation of a sound-proof screen
- bonding of insulation materials
- application of sound-deadening layers
- improving thermal insulation in cold store area's

Shelf life:

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

Application:

Shake the aerosol can for at least 20 seconds. Turn the gun on the adapter. 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)

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Health and safety recommendation:

- Apply the usual industrial hygiene
- Wear gloves and safety goggles
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information

Remarks:

- Work in layers and repeat moistening after each layer
- 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)
- Respect the cleaning and storage instructions.

Approvals:

- Test Report 9279 – University Ghent to NBN 713.020, EN 1366-4
- BS 476:Part 20 – Warrington Fire Research Report 113610
- France : CSTB Rapport D'Essai RS00-067
- Italy : CSI Report 1125RF
- Australia WFRA Report 45717 to AS1530.4 and AS 4072.1
- Various applications with fire doors
- various Applications in combination with sealants

Packaging:

Aerosol can 750 ml

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

Wall Thickness	Joint Dimension	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 Dimension	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

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