



PRODUCT SHEET

ProOne Fire Retardent Gun Foam

Fire retardant polyurethane foam certified according EN 1366-4

Last revision: 01-05-2023

Product Description

ProOne Fire Retardent Gun Foam is a 1-component, fire resistant polyurethane foam. ProOne Fire Retardent Gun Foam offers fire resistance of up to 120 minutes. Combined with other FireProtect® products up to 4 hours! Professional polyurethane fills and fixes foam with a structure of fine cells. High thermic and acoustic insulation. Offers good fire resistance and excellent bonding. Can be cut after curing.

Benefits

- Tested according to EN 1366-4
- For use in joints from 5 mm to 30 mm wide
- Combined with Den Braven QO62A in joints from 5 mm to 40 mm wide
- Separately applied, fire resistant up to 2 hours, combined with other FireProtect® products up to 4 hours
- Fire behaviour B1
- Fast processing
- Tack free after 10 to 12 minutes

Applications

ProOne Fire Retardent Gun Foam was specifically developed for fire resistant sealing and filling of joints and seams in certain areas where fire resistance is required. Fire resistance tested according to EN 1366-4 up to 60 minutes in a 20 mm wide gap. Combined with Den Braven QO62A up to 180 minutes in a 40 mm wide gap. Ensure that you choose the correct fire resistance for your application by consulting the classification and test reports.

Directions Of Use

Canister temperature: +5°C to +30°C (recommended +15°C to +25°C). Application temperature (applies to environment and substrates): -15°C to +35°C (recommended +15°C to +25°C). Hold the canister with the valve turned upwards and affix an applicator gun with NBS-thread to the canister. We recommend a NBS Gold (see instructions in the gun box). Shake the canister vigorously prior to use at least 20 times. Turn canister upside down and apply the foam. To regulate the flow of the foam, loosen the valve at the back of the handle. Fill the cavity for 70%, in case of low humidity, lightly spray the foam with water. The foam will expand to fill the rest. When fixing window frames, use spacers and wedges to hold the frame in place for approximately 24 hours until the foam is fully cured. Protect eyes, wear gloves and protective gear. Floor-covering and furniture to be covered with paper or plastic foil. Joints wider and deeper than 4 cm should be filled

in multiple layers. Wait 15-30 minutes between applications. Before each application lightly spray with water. Only use in well ventilated areas. Store canister upright between +5°C and +25°C. Pressurized container! Protect from sunlight and do not expose to temperatures exceeding +50°C. Do not pierce or burn, even after use. Contains flammable propellants. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. No smoking.

Technical Specifications

Application temperature		+5°C to +35°C
Base		Polyurethane
Closed cells		± 70%
Curing time		80-100 minutes
Cutting time	EN 17333-3	20-40 minutes
Density		15-20 kg/m ³
Fire behaviour	DIN 4102-1	B1
Tack free time	EN 17333-3	10-12 minutes
Temperature resistance		-40°C to +90°C
Thermal conductivity		30-35 mW/m.K
Total foam yield	EN 17333-1	750 ml = 40-45 liter

These are typical values

Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for permanent water load. Not suitable for use (eg filling) in cavities with insufficient moisture

Surface Preparations and Finishing

Substrates must be clean and free of dust, oil and grease. It is important to moisten substrates slightly before use as this improves adhesion and finished cell structure of the foam.

Paintability

Can be painted or covered with sealant/plaster when fully cured.

Cleaning

Fresh foam can be removed immediately with Universal PU Cleaner. After curing surplus foam can be removed with a knife or spatula and the foam surface can be finished.

PRODUCT SHEET PRO ONE FIRE RETARDENT GUN FOAM

Shelf Life

If kept in unopened original packaging between +5°C and +25°C and stored in a dry place, the shelf life is up to 18 months from production date. Store the canisters in an upright position.

Certifications

EN 1366-4:2006+A1:2010
EN 13501-2 Classification of fire resistance
DIN 4102-1 Reaction to fire
VOC emissions ISO 16000
EMICODE EC1 Plus – very low emission

Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via our websites.

Warranty & Guarantee

ProOne warrants that its product complies, within its shelf life, to its specification.

Disclaimer

The information contained in this document, aims to inform our customers. The information is intended as a guideline only and should not be regarded as a guarantee or quality specification. We are not liable for any damage (direct or indirect) resulting from the use of the product shown in this document. The user is responsible for conducting all necessary tests to ensure that the product is suitable for the mode of application. We have no influence on the method of application of the product and conditions during storage and transport. We accept no liability for the possible presence of (typesetting) errors and omissions. This document cancels previous versions.

Scan for
product page



ProOne
www.pro-one.eu

Rev_01_05_2023