FP404 FIRE RETARDANT PU FOAM

FIRE RETARDANT POLYURETHANE FOAM

TECHNICAL SHEET 22/08/2025

KEY FEATURES

- ETA & UL-EU certified
- Easy to apply
- Up to 4 hours fire resistant in combination with other Bostik Fire Protect products
- Tested for sound insulation

DESCRIPTION

FP404 Fire Retardant PU Foam is a 1-component, fire resistant polyurethane foam. Professional polyurethane fills and fixes foam with a structure of fine cells. FP404Fire Retardant PU Foam offers a good fire resistance and excellent bonding. Can be cut after curing. FP404Fire Retardant PU Foam offers fire resistance up to 120 minutes. Combined with other Bostik Fire Protect products up to 4 hours. The cans FP404Fire Retardant PU Foam are equipped with a adapter to apply the foam easy and accurate by hand.

APPLICATIONS

FP404 Fire Retardant PU Foam is 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.

Ensure that you choose the correct fire resistance for your application by consulting the classification and test reports.

FEATURES

- Extensively tested for fire resistance according to EN 1366-4
- Up to 4 hours fire resistant combined with other Bostik
- Fire Protect products
- Also certified for wooden frames
- Sound insulation tested according to EN ISO
- 10140-2:2010
- Easy to apply & process
- Fire behaviour B1
- Tack free in 10 to 12 minutes

METHOD OF USE

Substrate: Substrates must be clean and free of dust, oil and grease.

Preperation: It is important to moisten substrates slightly before use as this improves adhesion and finished cell structure of the foam.

Application: Canister temperature: + 5°C to + 30°C (Recommended + 15°C till + 25°C). Application temperature (Environment and substrates): + 5°C to + 35°C. (Recommended + 15°C till + 25°C). When applying in cold conditions allow the canister to reach room temperature before use. Remove cap and screw the straw firmly onto the valve. Shake the canister vigorously prior to use at least 20 times. To apply foam, turn the canister upside down and press the adaptor. Half fill the cavity and, 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 and wear gloves and working clothes. Floor-covering and furniture to be covered with paper or plastic foil. Joints wider and deeper than 4cm should be filled in multiple layers. Waiting time between applications 15-30 minutes. 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

Cleaning: Fresh foam can be removed immediately with Bostik P100 Foam'N'Clean Power. After curing surplus foam can be removed with a knife or spatula and the foam surface can be finished.

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 (e.g. filling) in cavities with insufficient moisture.

CERTIFICATION / TEST REPORTS

- ETA 20/1118
- CE marking
- Peutz summary classification reports
- UL-EU certificate
- DIN4102 - Part 1 - Class B1
- Fire class B-s1,d0 according to EN 13501-1
- Emicode EC1Plus
- M1 certificate
- A+ French VOC Regulation
- Smoke leakage Sa / S200 according to EN 1634-3
- Sound reduction

FIRE RESISTANCE

Fire resistance is the time in minutes during which a construction meets the established criteria regarding stability (may not collapse), flame penetration (integrity) and heat transfer (thermal insulation criterion). The thermal insulation criterion specifies that the temperature of the structure on the non-fire side may not rise above 180°C locally and max. 140°C on average. The fire resistance is specified in time (minutes) during which the criteria for flame penetration (E) and temperature (I) are met, e.g. EI 240 (4-hour fire resistance). The classification further specifies the type of material in which the joint is made and whether the joint is sealed on the fire side, the non-fire side or both sides. Also stated is stated whether the joints are vertical or horizontal, what the maximum joint width should be, and whether or not a movement is applied to the joint.

PEUTZ REPORT BOSTIK FP404 FIRE RETARDANT PU FOAM

Determination of the fire resistance of various joints according to EN 1366-4 with heating according to the standard fire curve. For information see Summary of fire resistance study Bostik FP404 Fire Retardant PU Foam from Peutz fire safety laboratory. This report specifies the correct classifications of Bostik FP404Fire Retardant PU Foam in various joint constructions.

SOUND INSULATION

Sound reduction measured according to ISO 10140-1:2012, joint 10mm x 100 mm fully filled: Rs,w 53 dB.

PAINTABILITY

Bostik FP404 Fire Retardant PU Foam can be painted or covered with sealant/plaster when fully cured.

STORAGE STABILITY

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.

FURTHER INFORMATION AVAILABE ON REQUEST

- Material safety data sheet
- Summary of fire resistance study

TECHNICAL DATA	
Base	Polyurethane
Application temperature	+10°C to +35°C
Fire behaviour	B1 (DIN 4102)
Density	20-30 kg/m^3
Closed cells	+/- 70%
Tack free time	10-15 minutes (EN 17333-3)
Total foam yield	750 ml = 25-30 liter (EN 17333-1)
Cutting time	60-80 minutes (EN 17333-3)
Temperature resistance	-40°C to +90°C
Thermal conductivity	30-35 mW/m.K
Curing time	100-120 minutes
Article code	30612888
Packaging	Can 750 ml
Colour	Pink
Packed per	Box of 12 cans
Pallet quantity	672

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