

Bostik FP404 Fire Retardent PU Foam

FIRE RETARDENT POLYURETHAN PU FOAM



Product Description

Bostik FP404 Fire Retardent PU Foam is a 1- component fire resistant polyurethane foam which offers a fire resistance of up to 120 minutes. In combination with other Bostik FireProtect® products Bostik Bostik FP404 Fire Retardent PU Foam reaches up to 240 minutes of fire resistance! Professional polyurethane fills and fixes foam with a structure of fine cells. High thermal and acoustic insulation.

Benefits

- Tested according to EN 1366-4
- For use in joints from 5 mm to 30 mm wide
- Combined with Bostik FP 402 Fireseal Silicone in joints from 5 mm to 40 mm wide
- Separately applied, fire resistant up to 2 hours, combined with other Bostik FireProtect® products up to 4 hours
- Fire behaviour B1
- Fast processing
- Tack free after 8 to 12 minutes

Applications

Bostik FP404 Fire Retardent PU 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. In combination with Bostik FP402 Fireseal Silicone, Bostik FP404 Fire

Retardent PU Foam will provide up to 180 minutes fire resistance in a 40 mm wide gap. In combination with Bostik FP403 Fireseal Hybrid, Bostik FP404 Fire Retardent PU Foam will provide up to 240 minutes fire resistance 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 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 30 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 4 cm 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.

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Additional information

Application temperature		+10°C to +35°C
Base		Polyurethane
Closed cells		± 70%
Curing time		100 – 120 minutes
Cutting time	EN 17333-3	60 – 80 minutes
Density		20-30 kg/m ³
Fire behaviour	DIN 4102-1	B1
Tack free time	EN 17333-3	10 – 15 minutes
Temperature resistance		-40°C to +90°C
Thermal conductivity		30-35 mW/m.K
Total foam yield	EN 17333-1	750 ml = 25-30 liter

These are typical values

Limitations

- Not suitable for continuous water immersion or use in enclosed spaces
- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

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

Paintable with water based and synthetic paints. We recommend testing compatibility with paint prior to application.

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.

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Colour(s)

- Pink

Packaging


- Aerosol (handfoam)

For product specifications, please refer to the Product Detail Page

Shelf Life

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

Certifications

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

Health & Safety

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

Warranty & Guarantee

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

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