FP 404 Fire Retardant PU GunFoam

FIRE RETARDANT POLYURETHANE GUNFOAM

ADVANTAGES

- EN 1366-4 tested and approved
- Fast and easy application with a foam gun
- Short tack free time
- Up to 4 hours fire resistant in combination with other Bostik Fire Protect products
- Tested for sound insulation

PRODUCT

FP 404 Fire Retardant PU GunFoam is a 1-component, fire resistant polyurethane foam. Professional polyurethane fills and fixes foam with a structure of fine cells. FP 404 Fire Retardant PU GunFoam offers a good fire resitance and excellent bonding. Can be cut after curing. FP 404 Fire Retardant PU GunFoam offers fire resistance up to 120 minutes. Combined with other Bostik Fire Protect products up to 4 hours. FP 404 Fire Retardant PU GunFoam is very easy and accurate to apply with a PU Foam gun.

APPLICATIONS

FP 404 Fire Retardant PU GunFoam 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 up to 60 minutes in a 20mm wide gap. Combined with Bostik FP 402 Fireseal Silicone up to 180 minutes in a 40mm wide gap. 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
- For use in joints from 8mm to 30 mm wide
- Gecombined with Bostik FP 402 Fireseal Silicone in joints from 8mm tot 40mm wide
- Up to 4 hours fire resistant combined with other Bostik Fire Protect products
- Sound insulation tested according to EN ISO 10140-2:2010
- Easy and accurate application with a Bostik Foamgun
- Fire behaviour B1
- Tack free in 10 to 12 minutes
- A+ French VOC Regulation
- Emicode EC1 Plus

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 to + 25°C) Application temperature (applies to environment and substrates): + 5°C to + 35°C (recommended +15°C to +25°C) Hold the canister with the valve pointed upwards and affix an applicator gun with NBS-thread onto the canister. We recommend a Bostik Foamgun (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. 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, 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.
Cleaning: Fresh foam can be removed immediately with Bostik Gun&Foam Cleaner. After curing surplus foam can be

removed with a knife or spatula and the foam surface can be finished. Clean used PU foam guns with Bostik Gun&Foam Cleaner.

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

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 FP 404 FIRE RETARDANT PU GUNFOAM

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 FP 404 Fire Retardant PU Gunfoam from Peutz fire safety laboratory.
This report specifies the correct classifications of Bostik FP 404 Fire Retardant PU GunFoam 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 FP 404 Fire Retardant PU GunFoam can be painted or covered with sealant/plaster when fully cured.

Technische kenmerken	
Base	polyurethane
Application temperature	+5°C tot +35°C
Fire behaviour	B1
Density	15-20 kg/m³
Closed cells	+/- 70%
Tack free time	10-12 minutes (FEICA TM1014)
Yield	750 ml = 40-45 liter (FEICA TM1003)
Cutting time	20-40 minutes (FEICA TM1005)
Temperature resistance	-40°C to +90°C
Thermal conductivity	30-35 mW/m.K
Curing time	80-100 minuten (FEICA TM1015)
Article number	30612850
Packaging	can 750 ml
Colour	pink
Packed per	box of 12 cans
Pallet quantity	672

These values are typical properties en may vary +/- 3%

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 12 months from production date. Store the canisters in an upright position.

FURTHER INFORMATION

- Material safety data sheet is available on request
- Summary of fire resistance study

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