

PRODUCT SHEET

ProOne Gun Foam NBS B245

Professional B2 polyurethane foam

Last revision: 01-05-2023

Product Description

ProOne Gun Foam NBS B245 is an one component insulation and construction polyurethane foam developed to create a seal between construction parts. ProOne Gun Foam NBS B245 cures in response to moisture from the air and the building material.

Benefits

- High quality professional PU Foam
- Fire behaviour B2

Applications

ProOne Gun Foam NBS B245 was developed to fill joints around window frames and in construction, partition walls, ceiling and floor joints, surface penetrations of pipes and tubes through walls and floors. ProOne Gun Foam NBS B245 has excellent adhesion to concrete, brick, stone, plaster, wood, metal and many plastics like EPS and XPS, rigid PU foam and uPVC.

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	40-60 minutes
Density		15-20 kg/m ³
Fire behaviour		B2
Tack free time	EN 17333-3	8-12 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 PUcleaner. After curing surplus foam can be removed with a knife or spatula and the foam surface can be finished.

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.

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Certifications

	DIN 4102-1 Reaction to fire DIN 4034 Water resistance DIN 18542 Air Permeability DIN 12354-3 Joint Sound Insulation FEICA member A+ French VOC Regulation
	Emicode EC1 Plus

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

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