



Den Braven

Technical Data Sheet

Zwaluw FP PU Hand Foam

Fire resistant polyurethane foam certified according EN 1366-4



Product Description

Zwaluw FP PU Foam is a 1-component fire resistant insulation and construction foam developed to make a fire retardant seal between stony construction parts up till 240 minutes.

Benefits

- Fire retarding quality
- EN 1366-4 tested and approved
- Up till 240 minutes in combination with other products
- High quality professional PU Foam

Applications

Zwaluw FP PU Foam can be used in linear joints, according the EN 1366-4, in walls, ceilings and floor joints. In general Zwaluw FP PU Foam has an excellent adhesion on concrete, brick, stone, plaster, wood, metal and many plastics like polystyrene foam, rigid PU foam and uPVC.

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 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.

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

Surfaces must be clean, free of oil and grease. Surfaces moisten slightly (spray) using a spray bottle. In cold temperatures, the foam at least one hour before use in warm to room temperature. Screws the can on a pistol with NBS thread. Shake the can vigorously before use (at least 30 times). Protect eyes and wear gloves and working clothes. Tapestry, floor-covering and furniture to be covered with paper or plastic foil. Fill about 50-60% of the joint, because the foam will expand. Fresh foam can be removed directly with Universal PU-



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Cleaner. After curing the surplus of the foam can be removed with a knife or spatula and the foam surface can be finished.

Paintability

Zwaluw FP PU Foam can be painted or coated with plaster or acrylic sealant.

Cleaning

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

Colour(s)

- Pink

Packaging

- Aerosol

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

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| | 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 EN 13501-2:2007+A1:2009 TM1013_2017 Movement capability VOC emissions ISO 16000 |
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Health & Safety

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

Warranty & Guarantee

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

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Den Braven Sealants S.A. (Pty) Ltd.
2 Highview Boulevard, Ferndale Extension 26, Randburg, Gauteng
T +27 117923830 | E sales@denbraven.co.za

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