



Technical Data Sheet

Zwaluw Elast-O-Foam

Airtight, flexible high insulating polyurethane foam

Product Description

Zwaluw Elast-O-Foam is a professional flexible 1-component gun foam based on polyurethane. The permanent flexibility creates a sustainable and highly insulating (airtight) seal. Zwaluw Elast-O-Foam is tested according to EN1026 for air loss at 1050Pa. Elast-O-Foam has excellent adhesion, durable sealing functions with high insulation values. Elast-O-Foam offers an A + label for VOC content.

Benefits

- Extreme low air loss, most air tight foam available on the market
• Flexible
• Tested to 1050 Pa
• Provides best sound reduction
• High yield

Applications

Zwaluw Elast-O-Foam is specifically developed for creating airtight and thermally insulated joints around window frames. Also suitable in construction, partition walls, ceiling and floor joints, surface penetration of pipes and tubes through walls and floors. Ideal for use in Passive Housing and energy neutral buildings.

Directions Of Use

Application temperature (applies to environment and substrates): -5°C to +35°C (recommended +10°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 Zwaluw 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. 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. For more information see Technical Bulletins in the Knowledge Base on our website www.denbraven.com.

Additional information

Table with 3 columns: Property, Reference, and Value. Rows include Application temperature, Base, Closed cells, Curing time, Cutting time, Density, Dimensional stability, Fire behaviour, Joint sound insulation, Movement Capability, Permeability en 1026, Permeability test, Tack free time, Temperature resistance, Thermal conductivity, Water absorption wp, Water vapour diffusion resistance factor, Water vapour diffusion sd, and Yield.

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



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

#### Colour(s)

- White

#### Packaging

- Aerosol
- Recypur

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

#### Certifications

<p>EN 1026 &amp; EN 12114          EN 12086 Water vapour transmission          EN 1609 Water vapour partial immersion          ISO 10534 - Sound absorption coefficient          FEICA member          DIN 12354-3 Joint Sound Insulation          DIN 18542 Air Permeability          A+ French VOC Regulation          Emission EC1 Plus</p>
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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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