

Technical Data Sheet

SGS Engineering UK Ltd
Unit 1, West Side Park, Belmore Wy, Raynesway, Alvaston, Derby DE21 7AZ
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X-Pand B3 Gun Foam

X-Pand B3 is a single-component PU foam used with an applicator gun and features higher yield, easier application, low expansion and reusability. It does not contain any propellant gases which are harmful to the ozone layer.

FEATURES & BENEFITS

- Excellent adhesion & filling capacity and high thermal & acoustical insulation value.
 - Economical consumption thanks to precise application.
 - Low Expansion.
 - High yield up to 45 liters depending on temperature and humidity.
 - Conforms to fire class B3 according to DIN 4102-1.
 - Mould-proof, water-proof and over paintable.
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APPLICATIONS

- Filling and sealing of gaps, joints and cavities.
 - Fixing and insulating of door and window frames.
 - Filling of penetrations in walls.
 - Insulating electrical outlets and water pipes.
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INSTRUCTIONS

- Optimal can temperature is +20 °C. Application (ambient) temperature is between -2 °C to +30 °C.
 - Shake the can well before use. Screw the adapter on the valve.
 - Hold the can upside down and activate the foam by pressing the valve.
 - Moisturizing the surfaces and the foam improves adhesion and shortens curing time.
 - Fresh foam can be cleaned with Foam Cleaner. Cured foam can be cleaned barely mechanically.
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STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
 - UL listed.
 - AAMA verified Component.
 - The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.
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RESTRICTIONS

- Storage above +25 °C and below +5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.

SAFETY

- Contains Diphenylmethane-4, 4'-Diisocyanate.
- Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapor.
- Wear suitable protective clothing and gloves. Use only in well-ventilated areas.
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C.
- Do not pierce or burn, even after use.
- Keep away from sources of ignition, no smoking.
- Keep out of the reach of children.

STORAGE AND SHELF LIFE

- 15 months if stored properly.

PROPERTIES

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±3 Kg/m ³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±3 min	(ASTM C1620)
Cutting Time (1cm width)	: 30-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Color	: Light yellow	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Tensile strength	: 10-11 MPa	(ISO1926)
Dimensional stability	: ±10%	(ISO2796/86)
Water penetration	: 0	(ISO2896-87)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: -2°C to +30°C	

The results were obtained by providing optimum environmental conditions.

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PACKAGING

Product	Weight	Package
805	850gr./570gr./350gr.	12

DISCLAIMER

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