

TECHNICAL DATASHEET

Hand Held Expanding Foam

Description & Uses

An easy to use, one part PU Expanding Foam ideal for general construction and home improvement uses. It is designed for easy dispensing through the straw adapter included with each can. Features a higher yield with expansion up to 1.5 times, easy application and reusability.

Alpha Chem Hand Held Expanding foam has excellent adhesion and filling capabilities plus high thermal and acoustical insulation value. Conforms to fire class B3 according to DIN 4102-1. Mould proof, waterproof and overpaintable.

This product does not contain any propellant gases which are harmful to the ozone layer.

Ideal for:

- Filling large, irregular or awkward gaps where the foam will expand to completely fill the cavity.
- Fixing and insulating window and door frames
- Fixing boards
- Insulating between brickwork and cladding, around ductwork and through cavities carrying pipes and cables.
- Backing as a joint backing material in low expanding joints.

Directions

- Ensure all surfaces are clean, sound, dry and free from dust, grease or other contaminants.
- Optimal can temperature is 20°C. Application temperature is between +5 °C and +30 °C.
- **SHAKE THE CAN WELL BEFORE USE.**
- Moistening the surfaces and the foam improves adhesion and shortens the cure time.
- Screw the straw adapter onto the valve, **TURN THE CAN UPSIDE DOWN** and activate the foam by pressing the valve.
- Always keep the can upside down during application.
- FILLING – fill the hole half full of foam, as post expansion will completely fill the hole.
- FIXING – When fixing door and window frames use wedges to hold the frame in place until full cure is reached, approximately 24 hours.
- Fresh foam can be cleaned by Alpha Chem Foam Cleaner. Cured foam can be cleaned mechanically.
- It is the user's responsibility to dispose of all packaging correctly.



Storage

Store in cool, dry conditions between +5°C and +25°C.

Shelf Life

15 months if stored correctly.

Limitations

- Should be stored and transported in a vertical position.
- Storage above +25 °C and below +5 °C will shorten shelf life.
- Keep at room temperature for at least 12 hours before the application.
- Cured foam will discolour if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.
- Lower temperatures decrease yield and curing time.
- It is the user's responsibility to ensure suitability for use.
- **Please read the label carefully prior to use as it contains essential health and safety information. Further information is on Safety Data Sheet.**

Technical Data

Curing System	Moisture cure
Specific Gravity	22±3 Kg/m ³ (ASTM D1622)
Tack Free Time (1cm width)	7±3 min (ASTM C1620)
Cutting Time (1cm width)	30-45 min (ASTM C1620)
Cure Time	24 hours
Foam colour	Light Yellow
Yield	25-30 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	11.7±0.8 (ISO1926-79)
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

These results were obtained by providing optimum environmental conditions.

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com.

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