

FORMFOAM



Hand Held Expanding Foam for Sealing Gaps, Joints and Void Filling in all Types of Construction

DESCRIPTION

An easy to use, hand held, one part Polyurethane based, Expanding Foam specially developed for the use in formwork and concrete production situations to seal irregular gaps in hollow rib floor, gaps around piling etc. Also suitable for many applications in general Construction, Building and Home Improvement.

ADVANTAGES

- Quick setting, can be shaped sawn and cut or plastered on in 1 hour (at 20°C).
- Economic in use, expands up to 30 times its own volume.
- Fills irregular and wide/deep gaps where most ordinary type fillers would fail.
- Possesses bouyancy, insulating and sound deadening properties.

USES

FILLING -

Large, irregular or awkward gaps where the foam will expand to completely fill the gap or cavity in stone, brick, concrete, wood frames and plaster. Gaps around pipe entries into buildings. Gaps around window frames and door frames. Deep joint backing prior to sealant application or plastering. Motorway crash barrier post sockets.

FIXING -

Window frames, Door frames, Timber structures, window sills and thresholds, loose tiles and boards.

INSULATING -

Between brickwork and cladding to exterior walls. Around ductwork and through cavities carrying pipes and cables. Behind soffit and barge boards.

BACKING -

In low expanding joints, can be used as a backing material in all types of sealant applications.

YIELD

In ideal conditions the foam can expand up to 30 times its own volume, this is dependant on temperature and available atmospheric moisture.

COLOUR

Green

PROPERTIES

Basis	Moisture curing one component polyurethane foam
Density after curing ¹⁾²⁾	18-25kg/m ³
Tack-free time (FT) ¹⁾	8-12 minutes
Cutting time (CT) ¹⁾²⁾	30-60 minutes
Dimensional stability (DS)	-5%<DS<0%
Thermal conductivity	30-35mW/(m.K)
Cell Structure	60-70% equally closed cells
Application temp. range	+5°C / +35°C (ideal +15°C / +20°C)
Canister temp. range	Above +5°C (ideal +10°C / +20°C)
Cured Temp. resistance	-40°C / +90°C (for short periods up to +140°C)
Fire classification	DIN 4102-B3, class F according to EN 13501-1

1) The physical properties mentioned are obtained from laboratory measurements under ideal conditions and may vary upon use, temperature and ambient conditions.

2) Foamed in a pre-moistened joint.

3) Excessive heat can cause premature ageing of components resulting in a shorter life.

PREPARATION

Ensure surfaces to be treated are free from grease, dust and loose material.

IMPORTANT - moisten surfaces well before use as this improves adhesion and finished cell structure of the foam.

APPLICATION

METHOD - Shake the can intensively at least 20 times prior to use. Remove cap and screw the adapter firmly onto the valve. To apply foam TURN THE CAN UPSIDE DOWN and press the adapter. Only use in temperatures of +5°C to +30°C.

FILLING – Half fill the cavity and lightly spray the foam with water. The foam will expand to fill the rest.

FIXING - When fixing window frames use wedges to hold the frame in place until the foam is fully cured - approximately 24 hours.

FINISHING

Can be cut, sawn, plastered or painted when cured. It is the user's responsibility to dispose of all packaging correctly.

CLEANING - Remove adapter and rinse thoroughly with a proprietary Foam Cleaner or Acetone. Cover valve at top of can with polythene held in place with a rubber band. Ensure thread is clean before storing.

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Direct Chemicals Ltd

Unit 6, Stokes Farm, Binfield Rd,
Wokingham, Berkshire, RG40 5PR

Tel: 0118 989 2666
sales@dichem.co.uk
dichem.co.uk

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LIMITATIONS

Un-cured foam can be removed / dissolved with a proprietary Foam Cleaner or Acetone. Cured foam can only be removed mechanically therefore care should be taken to protect surrounding surfaces. When exposed to sunlight apply sealant or render within 7 days as the foam is not resistant to ultra violet light.

STORAGE & HANDLING

Shelf life stored between +5°C/ +25°C is 12 months.

Always store **UPRIGHT** in cool, dry conditions. Do not expose to temperatures above 50°C.

PACKAGING & TRANSPORT

Formfoam is supplied in 750ml canisters

Packed 12 x 750ml per carton.

80 cartons per pallet

Regulated for Road Transport—Limited Quantities LQ2

HEALTH & SAFETY

Refer to separate safety data sheet. Copies available by request.

CAUTION EXTREMELY FLAMMABLE – HARMFUL

CONTAINS DIPHENYLMETHANE 4,4'-DI-ISOCYANATE, ISOMERS AND HOMOLOGUES

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Contains isocyanates. Wear protective gloves and clothing. After contact with skin, wash immediately with plenty of water. In case of insufficient ventilation wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible). Pressurised container—protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from all sources of ignition – No Smoking. Keep out of the reach of children. In use, may form flammable/explosive vapour-air mixture. Dispose of this material and its container to hazardous or special waste collection point.

PRECAUTIONS

Use in a well ventilated area away from all sources of ignition, including pilot lights. Protect skin during use. Always wear gloves and safety glasses. Wear suitable workwear. Cover carpets and household furnishings before use. Keep out of reach of children. Follow instructions carefully.

QUALITY ASSURANCE

Direct Chemicals Ltd is a firm of assessed capability. The Company's quality system conforms to BS EN ISO 9001:2008 and is assessed by QMS International PLC. Products are manufactured under quality assured schemes.

Direct Chemical Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Direct Chemicals Ltd Terms and Conditions of Sale, copies of which are available on request. Direct Chemicals Ltd endeavors to ensure that the above data and any further advice is correct, however Direct Chemicals Ltd can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.