

## EVERBUILD FILL AND FIX/GUN GRADE EXPANDING FOAM

### DESCRIPTION

EVERBUILD FILL AND FIX/GUN GRADE EXPANDING FOAM are quick setting one part polyurethane foams in aerosol form. The FILL AND FIX version is supplied with attachable nozzles and GUN GRADE is supplied for use with our range of applicator guns.. The foam expands on application to up to 50 times its original volume and expands on application by 150%. Once cured, the foam can be cut, sawn or plastered over after only one hour providing the working temperatures (can and surfaces) are between +5 to +25°C, ideally 20°C.

### BENEFITS

- Quick setting - can be cut, sawn or plastered in 1 hour.
- Economical in use - expands up to 50 times its original volume.
- Fills irregular and broad gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.

### AREAS FOR USE

#### Filling

- gaps around pipe entries through walls.
- gaps around window frames, door frames.
- electrical wire chasing prior to plastering
- deep joints prior to applying sealant or plaster
- irregular gaps in stone, brick, concrete or plaster

#### Fixing

- door frames
- timber structures
- window sills and thresholds.
- Window frames

#### Insulating

- behind cladding to exterior walls.
- behind soffit and barge boards
- in automotive applications.

### LIMITATIONS

TECHNICAL DATA SHEET NO: 014

PAGE: 2 OF 4

VERSION: 2/1<sup>ST</sup> MARCH 1999

DATE OF ISSUE:22/9/05

- Carefully read instructions and text in warning box before use.
- Do not over pressurise container.
- Always apply above 5°C.
- Clean spills immediately with EVERFLEX FOAM CLEANER.
- When using GUN GRADE, always clean the gun thoroughly with EVERFLEX FOAM CLEANER until the jet is clear of foam. Leave the canister attached until the gun is to be used again
- When using FILL AND FIX FOAM, always remove nozzle from can and clean immediately after use with EVERFLEX FOAM CLEANER
- For fire rated joints, use EVERFLEX FIREFOAM B1 in conjunction with EVERFLEX NILFLAM 90 intumescent sealant.
- Once cured, dry foam must be removed mechanically. No solvent will remove the product.

#### SURFACE PREPARATION

Ensure all surfaces are clean, sound and free from dust and loose particles. **Moisten surfaces to be sealed with water. This assists the curing process.**

#### APPLICATION

ALWAYS WEAR PROTECTIVE GLOVES.

Shake can well before use (about 20 times).

For the FILL AND FIX PRODUCT, carefully fix nozzle. Do not overtighten or force.

ALWAYS USE CAN UPSIDE DOWN. For GUN GRADE, tighten securely into one of our range of guns.

Only partially fill cavities as the foam will expand to fill the remaining space. Any excess foam can be removed whilst still wet with EVERFLEX FOAM CLEANER. Cured foam must be removed mechanically.. When used for fixing door frames, supports must be used until the foam is fully cured.

#### SPECIFIC DATA

YIELD (free expansion/bulk density 19kg/m <sup>3</sup> )	37 litres (750ml can) 25 litres (500ml can)
RAW DENSITY	37kg/m <sup>3</sup> (confined space)

CELL STRUCTURE	Medium fine
TACK FREE	Approx. 8 minutes
CUTTABLE	20 mins to 1 hour depending on bead dimensions.
FULL LOAD BEARING STABILITY	App, 12 hours (20mm bead)
WORKING TEMPS	5°C - 25°C. (Optimum 20°C).
TENSILE STRENGTH	18N/cm <sup>2</sup> (DIN 53455)
ELONGATION AT TENSION	30% (DIN 53455)
SHEAR STRENGTH	8N/cm <sup>2</sup> (DIN 53422))
FLEXURAL STRENGTH	20N/cm <sup>2</sup> (DIN 53423)
COMPRESSIVE STRENGTH	5N/cm <sup>2</sup> (DIN 53421) at 10% stress.
WATER ABSORPTION	0.3 Vol % (DIN 53428)
THERMAL CONDUCTIVITY	0.04 W/Mk (DIN 52612)
TEMP RES. OF CURED BEAD	Long Term: -40 - +100°C Short Term: -40 - +130°C
BUILDING MATERIAL CLASS	B3 (DIN 4102, Part 1)

#### HEALTH AND SAFETY

Handle container with care. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation. May form flammable/explosive mixtures with air. Do not breath vapour/spray. Use only in well ventilated areas. Keep out of reach of children. During use, keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable gloves/eye/face protection. If swallowed, seek medical advice and show this container label. In case of accident or if you feel unwell, seek medical advice immediately (show container label).

TECHNICAL DATA SHEET NO: 014

PAGE: 4 OF 4

Contains Isocyanate. See information supplied by manufacturer.

VERSION: 2/1<sup>ST</sup> MARCH 1999

DATE OF ISSUE:22/9/05

#### **STORAGE**

Store upright between 20 and 25°C Pressurized container. Protect from sunlight and do not expose to temperatures above 50°C. Do not pierce or burn the can even after use. Store as flammable liquid.

Note: Elevated temperatures will reduce shelf life dramatically.

#### **SHELF LIFE**

12 months in original containers at stated storage temperatures.