

# 750 FOAM-FIX

## Polyurethane Foam

### - Gun Application -

August 2002

TECHNICAL DATA SHEET

**Description**      **750 Foam-Fix** is a one component, polyurethane expanding foam that cures by the absorption of water vapour from the air. CFC and HCFC-free (zero ozone depletion potential).

**Properties**      **750 Foam-Fix** is a professional quality, GUN-APPLIED polyurethane expanding foam with the following features:

- An accurately controlled application
- A moisture curing system
- Fast application rate
- Excellent adhesion to most surfaces
- Temperature, water and chemical resistant
- Paintable and can be plastered over
- Not UV-resistant
- CFC and HCFC-free (zero ozone depletion potential)

**Applications**      **750 Foam-Fix** is used for the filling, sealing and insulation of joints, cracks and cavities, for example:

- Structural space between window and door frames
- Partition walls with ceilings
- Structural space between pre-fabricated construction elements
- Seams between chimneys, roof protection, and roof panels
- Acoustic panelling and sound proofing
- Around cables and pipes, penetrations through walls and ceilings
- Glueing panels/insulating sheets (e.g. polyurethane and polystyrene)

**Characteristics**

Type.....	Polyurethane-prepolymer
Curing system.....	Moisture curing
Character.....	Flexible
Density.....	20-25 kg/m <sup>3</sup>
Yield (freely foamed).....	Approx. 45 litres
Fire class (DIN 4102, part 1).....	B3
Tack free (30 mm string).....	After approx. 10 min. (23°C, 50% R.H.)
Can be cut (30 mm string).....	After approx. 45 min. (23°C, 50% R.H.)
Fully cured (30 mm string).....	After approx. 24 hours (23°C, 50% R.H.)
Thermal conductivity.....	0.04 W / m°K (DIN 52612)
Compression resistance:(10% deformation).....	60 kPa (ISO 844)
Elasticity limit.....	190 kPa (DIN 53455)
Elongation at break.....	15% (DIN 53455)
Shear strength.....	65 kPa (DIN 53422)
Foaming.....	+30% (not pre-moistened)
	+40% (pre-moistened)
Water absorption.....	0.3 vol% (DIN 53428)
Temperature resistance.....	-40°C to +90°C (long term)
	-40°C to +130°C (short term)
Application temperature.....	+5°C to +35°C (Ambient)
	+10°C to +30°C (Canister)

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## Application Procedure

**750 Foam-Fix** has excellent adhesion to concrete, masonry, brickwork, stone, plaster, wood, fibre cement, metals and several synthetic materials such as styropor, PU-foam, polyester and PVC.

Surfaces should be sound, dry and free from dust and grease. Porous surfaces should be pre-moistened with water.

Shake can vigorously before use. Screw the can onto the applicator gun securely, without overtightening and according to the gun manufacturer instructions. The can must be used upside-down with the valve pointing downwards. The gun trigger or the adjustment screw controls the dispensing volume.

Foam should be applied carefully. Joints and cavities should only be filled by 70% as foam expands beyond its original volume. Foam should be applied in beads. Moisturise between layers. Wait for 1 to 2 hours before applying a new layer in very deep holes or joints.

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## Limits of use

Read the **danger designation** and **safety box** on the label carefully before dispensing the foam.

- The foam should be used in well-ventilated areas. DO NOT SMOKE.
  - Wear suitable eye protection, gloves and protective clothing.
  - Protect adjacent surfaces from accidental contamination by covering them with paper or plastic sheeting.
  - Remove any fresh (uncured) spilt foam immediately with PU cleaning solvent or acetone.
  - Cured foam can only be removed mechanically.
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## Colour

Yellow

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## Packaging

**750 Foam-Fix** (Gun Applied) is supplied in 750ml canisters.

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## Storage and shelf life

When stored upright in cool, dry conditions with a maximum temperature of 30°C: maximum 12 months.

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## Safety

Consult the **750 Foam-Fix** Material safety Data sheet.

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## Warning to users

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## Sealants

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