

FOMOFILL™ POLYURETHANE FOAM

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Ramset FOMOFILL™ is a Polyurethane polymer that reacts with moisture in the air causing it to expand to fill any shaped hole or cavity. The cured foam can be cut, sanded and shaped as desired. FomoFill™ is ideal for thermal insulation, to block out drafts or to repair large holes prior to painting.

RECOMMENDED USES

- ◆ (Non-fire rated) Pipe penetrations through walls and floors
- ◆ Large gaps or holes between walls and floors
- ◆ Sealing gaps to block out dust, noise, drafts and vermin
- ◆ Gaps between joists and window and doorframes.
- ◆ Patching large holes prior to painting
- ◆ Set building

FEATURES AND BENEFITS

- ◆ Expands to fill BIG holes
- ◆ Once cured, can be cut and shaped as required
- ◆ Non-shrink
- ◆ Can be sanded, filled and painted to produce a neat finish.
- ◆ Excellent insulator
- ◆ Ozone friendly – CFC, FC and HFC free



Typical Properties.

Property	Typical Value
Yield (OCF TM 1007 and 1003)	500 ml: > 12 Litres 750 ml: > 17 litres
Closed Cells	Approximately 70%
Water Absorption (EN1609)	0.2%
Optimum Operating Temperatures	Canister: +10 to +30°C Ambient: +10 to +35°C
Density	25 -35 kg / m ³
Tack Free Time (3 cm wide, 23°C, 50% RH)	10 minutes
Cutting Time (3 cm wide, 23°C, 50% RH)	60 minutes
Loading Time	24 hours
Tensile Strength (DIN53455)	97 kPa
Compressive Strength (10%)	37 kPa
Elongation at Break	18%
Thermal Conductivity (EN12667)	36 mW/m.K
Operating Temperature	Short Term: -40 to +130°C Long Term: -40 to +90°C

Precautions for Use:

- ◆ Dispense FOMOFILL with can upside down
- ◆ FOMOFILL cannot be removed from skin, clothing or other surfaces. Wear gloves safety goggles and protective clothing
- ◆ Protect surfaces from unwanted contact, over-spray or drips using drop sheets or similar
- ◆ Always rest the container on a protected surface between uses as foam in the nozzle will expand and drip
- ◆ Ensure area of use is adequately ventilated
- ◆ Protect cured foam from UV and sunlight
- ◆ Not suitable for direct contact with water when immersed
- ◆ Do not use for flotation
- ◆ For optimum expansion and cure, air, container and surface temperatures should be 20°C. Lower temperatures will result in lower yields. Higher temperatures may result in the foam collapsing

Instructions for Use:

Ensure that container, surface and air temperatures are above 5°C. Recommended temperature is 20°C.
Recommended relative Humidity is at least 50%.

Wear gloves and safety glasses.**Surface Preparation.**

Surfaces to which FOMOFILL is to be applied must be free from dust, oil, grease or any agent, substance, material or contaminant that may interfere with the bond or may later affect the foam.

FOMOFILL cures by reacting with moisture in the air. Dampen surface with a fine mist of water to obtain maximum expansion and fast cure through.

Application.

Screw nozzle onto valve on top of can. Take care not to over tighten or activate the valve.

Shake can vigorously at least 20 times, turn can upside down, then point nozzle into the cavity to be filled and depress trigger to dispense the foam.

Caution: If foam does not dispense from the valve when trigger is depressed, do NOT force the valve or poke objects into it. This may result in uncontrolled release of the contents. If foam does not dispense, contact the nearest Ramset distributor.

Do not fill the cavity with foam. FOMOFILL will expand to roughly three times the volume dispensed from the can.

For large cavities requiring more than half a can of foam, do not apply the required volume in one application. Apply foam in layers, allowing about 10 minutes between them. Apply a fine mist of water to the foam before dispensing the next layer. This procedure will prevent 'post-expansion' where un-reacted foam in the centre of the mass expands at a later time.

Even when the valve is shut, foam in the straw nozzle will expand and emerge from it. After dispensing FOMOFILL ensure container is placed where drips from the nozzle will fall onto a protected surface.

Yield.

Yield of foam varies with changes in humidity, air, surface and container temperature, restraint from the cavity surfaces and the volume dispensed into the cavity.

Optimum conditions are 20°C, relative humidity above 50%.

One 500 ml canister will yield in excess of 12 L and one 750 ml canister will yield in excess of 17 L of foam. The quantity of foam obtained will be greater in optimum conditions.

Cure Time:

At the recommended humidity and temperature, tack free time is typically 10 minutes and a maximum of 20 minutes.

Thin layers can be cut and trimmed after 60 minutes. If used as directed, large masses can be cut and trimmed in about 90 minutes.

Full cure after 24 hours.

Clean Up:

If spilled on surfaces, remove FOMOFILL immediately using a cloth. Residue should then be removed using acetone or Ramset FOMO Solvent Cleaner (FMSVM500) before it cures. (Caution: Solvents can damage some surfaces).

Once cured FOMOFILL cannot be removed.

If applied to skin, allow foam to cure and remove by scrubbing or other mechanical means.

Alternatively, remove immediately with a cloth then wash hands thoroughly with soap and water. A sticky residue may remain for a few days after application.

Do NOT attempt to remove foam from skin or eyes using chemicals such as solvents.

Storage and Shelf Life:

Unopened container will be suitable for use for 9 months from date of manufacture when stored between 10°C and 25°C in an upright position. See expiry date on bottom of container.

FOMOFILL contains a compressed flammable gas and should NOT be stored in vehicles. Container may rupture if exposed to temperatures above 50°C.

Do not incinerate or puncture can, even when empty. Keep in a cool place out of the Sun. Container is metal; avoid corrosion. Dispose of container if corrosion is observed.

Once opened, product will remain suitable for use for up to 30 days. Before reuse cured foam must be removed from nozzle and valve using wire or similar material.

WARNING: Take care not to activate valve while cleaning.

If container is not to be used again for more than 48 hours, remove nozzle and rinse valve with acetone or FOMO solvent.

Safety Directions:

Avoid contact with skin and eyes. Use only in a well-ventilated area. Avoid breathing vapour. Vapour is flammable. Keep away from sources of ignition, eg. heat, sparks, static electricity, welding. No smoking.

For more detail consult Ramset FOMOFILL Safety Data Sheet.

Pack Sizes and Order Numbers

500 ml	FMFLG500
750 ml	FMFLG750

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