



### FOMOFILL EXPANDING POLYURETHANE FOAM

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*FOMOFILL* is a self-expanding polyurethane foam suitable for use straight from the can without mixing. *FOMOFILL* seals, fills and insulates large holes in most common building materials.

*FOMOFILL* reacts with moisture in the air causing it to expand to fill any shaped hole or cavity. The cured foam can then be cut or shaped and painted as desired.

*FOMOFILL*'s unique piston dispensing system allows the can to be held at any angle during application. No need to hold the can upside down!

#### PRIMARY USES:

*FOMOFILL* is ideal for filling:

- \* Large holes
- \* Pipe penetrations through walls and floors
- \* Large gaps or holes between walls and floors
- \* Gaps between joists and window and doorframes.
- \* Patching large holes prior to painting

#### FEATURES AND BENEFITS:

- \* Fills BIG holes
- \* Once cured, can be cut and shaped as required
- \* Non-shrink
- \* Can be dispensed with can at any angle - great for hard to reach holes
- \* Can be sanded, filled and painted to produce a neat finish.
- \* Excellent insulator
- \* CFC Free

#### PRECAUTIONS FOR USE:

- \* *FOMOFILL* cannot be removed from skin, clothing or other surfaces. Wear gloves safety goggles and protective clothing.
- \* Protect surfaces from unwanted contact, overspray or drips using drop sheets or similar.
- \* Always rest the container on a protected surface between uses as foam in the nozzle will expand causing dribbles.
- \* Ensure area of use is adequately ventilated.
- \* Protect the foam from UV and sunlight.
- \* Not suitable for direct contact with water when immersed.
- \* 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.
- \* Carefully read Instructions for Use and Safety Directions before using.

#### TYPICAL PROPERTIES:

Property	Typical Value
Yield, Free Expansion	
500 g Can	Approx. 23 L
750 g Can	Approx. 40 L
Bulk Density	13 Kg / m <sup>3</sup>
Raw Density (Confined)	25 Kg / m <sup>3</sup>
Tack Free Time	10 minutes
Cutable (20 mm Dia Bead)	30 minutes
Full Cure (20 mm Dia Bead)	12 Hours
Min Application Temperature	5°C
Max Application Temperature	25°C
Optimum Application Temp	20°C
Tensile Strength (DIN53455)	18 N / cm <sup>2</sup>
Elongation at Tension	30%
Shear Strength (DIN53422)	8 N / cm <sup>2</sup>
Flexural Strength (DIN53423)	20 N / cm <sup>2</sup>
Compressive Strength	
@ 10% Stress (DIN53421)	5 N / cm <sup>2</sup>
Water Absorption (DIN53428)	0.3 Vol %
Thermal Conductivity (DIN52612)	0.04 W / mK
Service Temperature Limits	
Long Term	-15°C to 60°C
Short Term	-40°C to 130°C
Shelf Life	9 months

All properties established @ 20°C and 60% relative humidity.

#### 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. Slightly dampening surfaces with a fine mist of water will aid curing. If surfaces are not sprayed maximum expansion may not be obtained.

#### APPLICATION.

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



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Shake can vigorously for approximately 60 seconds, then point nozzle into the cavity to be filled and depress the trigger to dispense the foam. The container can be held at any angle during dispensing.

Caution: If foam does not dispense from the valve when trigger is depressed, do NOT force the valve or poke objects into the valve. This may result in uncontrolled release of the foam. 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 all the required foam in one application. Apply the foam in layers, allowing about 10 minutes between layers. Apply a fine mist of water to the foam before dispensing the next layer. This procedure will prevent 'post-expansion' where unreacted foam in the centre of the mass expands at a later time.

Even when the valve is shut, foam can still expand and emerge from the nozzle. 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 g can will yield in excess of 12 L and one 750 g can will yield in excess of 17 L of foam. The quantity of foam obtained may be more or less depending on the above 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 30 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:**

*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.

Unopened container will be suitable for use for 12 months from date of manufacture when stored below 25°C in an upright position.

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. 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*.



# Ramset™

## Concrete Results™

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#### PACK SIZES AND ORDER NUMBERS

500 g Can FMFLG500

750 g Can FMFLG750

Ramset Fasteners Pty Ltd  
Maroondah Highway,  
Mooroolbark. Vic.  
1300 780 063  
Web: [www.ramset.com.au](http://www.ramset.com.au)

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# Technical Data Sheet