

# TECHNICAL DATA SHEET

## FomoPlus™ Expanding Polyurethane Foam with Applicator

Date of Issue: February 20, 2004

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### Product

Self-expanding, one-part, CFC free polyurethane foam for use with an applicator

- ◆ Reusable
- ◆ Ozone friendly – CFC, FC and HFC free
- ◆ Resistant to blockages – ideal for stop / start work

### Description

FomoPlus™ is used with an applicator gun, which ensures accurate and neat application of the polyurethane foam.

FomoPlus™ expands on application to seal, fill and insulate large gaps between most common building materials.

### RECOMMENDED USES

- ◆ Sealing gaps between partitioned areas to control air flow
- ◆ Window setting (where a clean and controlled backfill is required).
- ◆ Sealing gaps to block out dust, noise, drafts and vermin
- ◆ Sealing pipe penetrations through walls and floors
- ◆ Set building
- ◆ Any kind of small breakthroughs in walls and other cavities.

### SUBSTRATES

FomoPlus™ sticks to all solid materials except:

- ◆ Polypropylene
- ◆ Polyethylene
- ◆ poly-Tetrafluoroethylene PTFE (eg. TEFLON®)
- ◆ Silicone

### Features and Benefits

- ◆ Expands to completely fill voids
- ◆ Closed cell foam structure - efficient temperature insulation
- ◆ Applicator provides neat, accurate dispensing

### TYPICAL PROPERTIES (20°C, 50% Relative Humidity)

Property	Typical Value	
Yield 750 ml can, free expansion (bulk density approx. 15 kg/m <sup>3</sup> )	17 to 45 litres	
Cell-structure	Predominantly Closed Cell	
Tack-free time	4 - 10 minutes	
Cuttable (20 mm dia. bead)	7 - 9 minutes	
Full stability load bearing (20mm dia. bead)	After 12 hours	
Minimum working temperature	+ 5°C	
Maximum working temperature	+ 25°C	
Optimum working temperature	+ 20°C	
Tensile strength (DIN 53430)	18 N/cm <sup>2</sup>	
Elongation at tension (DIN 53430)	30%	
Shear strength (DIN 53427)	8 N/cm <sup>2</sup>	
Compressive strength at 10% stress (DIN53421)	5 N/cm <sup>2</sup>	
Water absorption (DIN 53433)	0.3 Vol. -%	
Thermal conductivity approx.	0.04 W / mK	
Service Temperature	Long-term	- 40°C to + 80°C
	Short-term	- 40°C to + 100°C
Shelf-life	9 months	

### PRECAUTIONS

- Only use FomoPlus™ with applicator gun
- FomoPlus™ 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.
- 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 Application instructions and Safety Directions before using.
- Do not use for flotation or buoyancy

### SURFACE PREPARATION

Apply FomoPlus™ to surfaces free from oil grease or dust.

FomoPlus™ self-expanding foam reacts with moisture in the air (humidity) to expand and cure. Low humidity, even at optimum temperatures, will result in lower foam yields. For best results, dampen surfaces with fine spray of water to increase humidity and aid adhesion, expansion and cure.

### APPLICATION

Maximum expansion will be achieved at container and surface working temperature of 20°C. Chilled containers must be carefully warmed in luke-warm water before using.

Shake container for at least 60 seconds to ensure foam pre-polymer is mixed with propellant. Remove cap and gently screw the FomoPlus™ container onto the applicator gun. DO NOT over-tighten.

Point nozzle into area to be filled and depress trigger to extrude the foam. The foam will dispense rapidly. Adjust the flow rate using the metering valve at the rear of the applicator. Rotate clockwise to increase flow.

Do not fill the void with foam. It will expand to roughly three times the volume seen leaving the nozzle. Allow the foam to expand to fill the void.

If required, dampen previous layer and apply more foam after 10 minutes. For large cavities, apply foam in several layers, dampening each layer before applying the next. Shake container between applications.

To prevent blockages between applications, shut off metering valve (rotate anti-clockwise) and clean the tip of the applicator using Fomo™ Solvent. Leave the foam container connected to the applicator. The applicator and partly used foam container can be stored this way for extended periods, up to 3 weeks, depending on humidity.

When FomoPlus™ container is empty, with trigger depressed to release pressure, remove it immediately and clean the adaptor on the applicator with FOMO™ Solvent. Either fit a new FomoPlus™ container immediately or attach a FOMO™ Solvent canister to clean the applicator through for storage.

### YIELD

- ◆ 17 – 45 litres at 20°C, 50% relative humidity.
- ◆ Yield will be reduced at lower and higher temperatures.
- ◆ Yield will be reduced at lower humidity

### CURE

- ◆ Tack Free: 4 – 10 minutes @ 20°C, 50% relative humidity
- ◆ Cut and trim THIN LAYERS after 30 minutes
- ◆ Cut and trim LARGE VOLUMES after 90 minutes

### FINISHING

- ◆ FomoPlus™ can be painted with water-based paints when cured through.
- ◆ For a neat finish, apply plaster or other filler to cut surfaces and sand.

- ◆ Protect FomoPlus™ from UV and sunlight in exterior applications

## CLEAN UP

Clean up spills and over-sprays immediately using FOMO™ Solvent. Caution: FOMO™ Solvent contains acetone, which may damage some surfaces. Use on an inconspicuous area first to check compatibility. Clean up dissolved residue with a cloth.

If cured, remove foam mechanically by sanding, scraping or other abrasion.

## STORAGE AND SHELF LIFE

Store below 25°C out of direct sunlight, in upright position. Pressurised container. Do NOT store in vehicles. Containers may rupture if temperature exceeds 50°C. Do not incinerate or puncture container, even when empty. Prolonged exposure to relative humidity > 50% may cause blockage in the valve and prevent foam from dispensing. Dispose of container if corroded.

Shelf Life: 9 Months unopened. Use by date on bottom of container.

## PACK SIZES AND ORDER NUMBERS

Item	Order Number
FomoPlus™ 750 ml	FMPLG750
FomoPlus™ Applicator	FMPLGU
FOMO™ Solvent	FMSVM500

## HAZARD INFORMATION

- ◆ Keep out of reach of children.
- ◆ Protect skin and eyes. Wear safety glasses with side shields.
- ◆ FomoPlus™ is difficult to remove from skin, hair and clothing.
- ◆ Use only in well ventilated areas. Avoid breathing vapour.

- ◆ Hydrocarbon propellant is flammable. Keep away from sources of ignition, sparks, naked flames, static discharges and hot surfaces. No smoking.
- ◆ Class 2, Flammable Gas  
MSDS available from [www.ramset.com.au](http://www.ramset.com.au) or call 1300 780 063

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