



Product description

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

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

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

Typical Properties

Property	Typical Value
Yield 750ml can, free expansion (bulk density approx. 15kg/m ³)	17 to 45 litres
Cell-structure	Predominantly closed cell
Tack-free time	4-10 mins
Cutttable (20mm dia. bead)	7-9 mins
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)	18N/cm ²
Elongation at tension (DIN 53430)	30%
Shear strength (DIN 53427)	8N/cm ²
Compressive strength at 10% stress (DIN 53433)	5N/cm ²
Water absorption (DIN 53433)	0.3 Vol. -%
Thermal conductivity approx.	0.04W / mK
Service temperature - Long term	-40°C to +80°C
Service temperature - Short term	-40°C to +100°C
Shelf life	9 months

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 Ramset 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 Ramset Solvent. Either fit a new FomoPlus container immediately or attach a Ramset 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 at 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 Ramset Solvent. Caution: Ramset 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.

Colours, Pack Sizes and Order Numbers

Description	Packaging	Order Number
FomoPlus 750ml	12/ctn	FMPLG750
18cm Steel dispensing unit	each	F61030
18cm Polymer dispensing unit	each	F61400

Health and Safety

- 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.co.nz or call 0800 726 738