



### FULAFOAM PRO FLEXIBLE FOAM

#### Description

Fulafoam PRO Flexible gun applied foam is a low expansion PU foam that has been specially formulated to have highly efficient thermal and acoustic properties – up to 50% better than standard PU foams, due to an exclusive ‘micro-cell’ foam structure. ‘Micro-cell’ structure is based on the honeycomb shape but on a microscopic scale, which results in improved sound and thermal insulation properties of the cured foam. Fulafoam PRO Flexible foam expands into free space, however the expansion is controlled and when applied as per directions, no warping or distortion of substrates and cavities will be observed.

#### Benefits

- Fills cavities without shrinking or warping
- One part – no mixing
- Low expansion – Easy to control application
- Paintable
- Unique structure provides improved thermal and acoustic insulation
- Can be applied at air temperatures 0°C – 30°C (can must be between 5°C – 25°C)
- Ready to cut after 30 minutes curing

#### Uses

- Sealing around door and window moulds
- Flexible sealing of general household cavities and gaps
- Improving thermal and acoustic insulation

#### Compatible Substrates

Wood	Concrete
Masonry/Render	Galvanised Steel
Bricks	Aluminium
Rigid PVC	Polystyrene
Ceramic Tiles	Plasterboard
Cement Sheeting	Coated Metals (pre-test)

#### Important

**Fulafoam PRO Flexible Foam has strong adhesion to almost any surface, including skin and eyes. Wear rubber gloves and goggles before and during use. Protect all surfaces around the work area, as Fulafoam PRO Flexible Foam cannot easily be removed.**

#### Yield per can

Product yield can vary significantly depending on the individual application as well as atmospheric conditions such as humidity and temperature. Fulafoam PRO Flexible has a yield of approximately 43 litres of cured foam if applied as per guidelines.

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### Performance Summary

Colour	Pale Green
Skinning time	10-14 minutes @ 23C / 50%RH
Cutting Time (30mm bead)	30 minutes @ 23C/50% RH
Cure rate (23C)	18 hours max
Cure rate (-5C)	24 hours max
Density	15-20 kg/m <sup>3</sup>
Yield – Can	c.a. 43 litres per 750ml can
Yield – Linear Meters	c.a. 15 linear meters of a 30x50mm bead
Service temperature	-50°C until +90°C
Curing system	Moisture cure
Tensile Strength (BS 5241)	10 N/cm <sup>2</sup>
Fire Class	B3
Compression strength at 10% (DIN 53421)	3 N/cm <sup>2</sup>
Thermal Conductivity	0.034 W/m.k

### Surface Preparation

All surfaces must be clean, sound and free from dust, grease, oil and contamination. High humidity and dampness will aid the expansion of the foam, however, the surfaces should not be wet. Spraying a fine mist of water into the cavity will aid expansion of the foam.

### Application

Ensure that the air temperature is greater than 0°C and can temperature is greater than 5°C. Shake can at least 20 times before each use to ensure that contents are mixed. Attach the canister of foam to the gun by aligning the thread on the canister and gun and turn until

locked in position. The canister may have to be gently pushed into the screw thread to ensure engagement of the mechanism. To inject the foam, turn the screw thread at the rear of the gun to open the valve, hold the gun vertically (the canister will be upside down over the gun) and direct nozzle into the cavity. Gently press trigger to release foam. The rate of extrusion can be varied, by turning the screw thread at the rear of the gun. To reduce chance of gun bonding to attachment ring in case of spillage, apply thin film of petroleum jelly or grease to metal ring before attaching gun. When job is complete fully close valve and keep can on the gun unless empty. If empty can may be removed, however gun must be cleaned if stored or not used immediately

When filling large cavities, do not empty the whole can at once. Fill in stages, allowing the foam to expand between each stage. Using the whole can at once will cause:

- Failure of the foam in the middle of the mass to expand, resulting in reduced yield
- Too much foam may be injected. The pressure from the expanding foam may cause damage to the walls of the cavity.

Inject the foam to cover a single layer. Depending on conditions, the foam should skin in 10-14 minutes. After it has skinned, spray a fine mist (not a puddle) of water onto the foam. Inject the next layer of foam.

### Curing

Time to cure is highly variable and depends on weather conditions, ambient temperature and depth of joint. As a guide the following curing conditions are given below:

- max. 18 hours @ 23°C
- max. 24 hours @ 5°C

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### Painting

Fulafoam Pro Flexible is paintable when cured. Painting is recommended for exterior applications.

### Clean Up

Surfaces surrounding the job area should be masked off prior to application. Clean up uncured foam immediately with acetone or Fulafoam Cleaner. When can has been emptied fully, gun should be cleaned with Fulafoam Cleaner internally and externally unless additional can will be used immediately. Foam should be cleaned from attachment ring before further can is applied as can may become permanently bonded otherwise.

Cured material is very difficult to remove. Sanding or other mechanical means will remove most of the foam.

### Shelf Life

18 months unopened from date of manufacture. If open and correctly stored on gun, up to 4 weeks.

### Safety Information

A Material Safety Data Sheet is available from the H.B. Fuller representative your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, [www.hbfuller.com.au](http://www.hbfuller.com.au)

### Limitations

- Ensure that the air temperature is above 0°C
- Fulafoam Pro Flexible is not water proof and not suitable for immersion

- Do not use where foot or vehicular traffic is expected
- Do not use as insulation under plastic baths, as foam will compress or collapse
- Do not use as a buoyancy device in boats, drums etc.
- Do not have sparks or flames near curing Fulafoam Pro Flexible
- May not adhere to some plastics e.g. polyethylene (PE), polypropylene (PP), PTFE (Teflon®). Due to a variety of substrates, pre-testing is recommended

### Disclaimer

This technical data sheet summarises at the date of issue to the best technical knowledge of HB Fuller Australia. Since HB Fuller Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this technical data sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request

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