



Fire Resistant

ComFoam

Expanding PU Foam Gap Filler

DESCRIPTION

Crommelin[®] ComFoam is a fire-resistant self-expanding polyurethane foam. ComFoam is B1 rated, with up to 180 minutes Fire Resistance Level tested to AS1530.4 and AS4072-2005.

Crommelin[®] ComFoam is suitable for sealing around general construction cavities, window and door frames, walls, ceilings and floor joints.

FEATURES AND BENEFITS

- Efficient seal against smoke, gas, dust, noise and heat.
- High expansion and yield.
- Fast cure.
- Excellent adhesion.
- Sandable and paintable.
- Includes disposable gloves and convenient trigger spray operation.

AREAS OF USE

ComFoam is suitable for use in the following areas:

- Windows and door frames
- Filling of cavities
- Improving thermal insulation
- Sealing of roof openings
- Sealing of cables and pipe penetrations
- Enforcing a sound-proof screen or wall
- Improving thermal insulation in cold areas
- Bonding of insulation materials

Note: Consult a Fire Engineer to confirm suitability where planning to use partly or solely in a fire rated application.

SUITABLE SUBSTRATES

ComFoam is suitable for application on:

- Concrete
- Timber and particle board
- Steel and aluminium
- Fibreglass
- Cement sheets and plasterwork
- Block and brickwork

SURFACE PREPARATION

Surfaces must be clean, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants. Use Crommelin[®] Water Rinsable Degreaser to remove grease, oils etc.

- Ensure all substrates have been installed as per manufacturer's instructions.
- High humidity and dampness will aid the expansion of the foam. However ensure the surface is not wet. Spraying a fine mist of water into the cavity will improve expansion of the foam.
- Protect all surfaces not designated to receive Crommelin[®] ComFoam from accidental contact of the foam.

PRODUCT PREPARATION

- Simply screw trigger and nozzle onto the can.
- Shake can approximately 20 times before each use.

APPLICATION CONDITIONS

- Surfaces between 5⁰c and 30⁰c.
- Protect placement areas from direct sunlight and wind during cure.
- Do not apply externally if rain is expected before full cure. Weather details may be checked at <http://www.bom.gov.au>.

Note: Low temperatures and low air flow will extend full cure times.

APPLICATION

- Turn the can upside down and direct nozzle into the cavity. Press trigger to inject foam.
- When filling large cavities, fill in stages, allowing the foam to expand between stages.
- Inject the foam for between 15 to 20 seconds. Allow to skin, and spray a fine mist of water onto the foam.
- Ensure cavities are filled in stages, allowing the foam to expand to its maximum potential. Using the entire can at once will cause failure of the foam in the middle of the mass to expand, resulting in reduced yield or cause express pressure against walls and of the cavity due to over injecting.
- Repeat process until cavity is 1/3 to 1/2 filled.
- Crommelin[®] ComFoam will expand to approximately three times the extruded volume.
- Trim cured foam using a knife, sandpaper or saw.
- To produce a neat and tidy finish, apply a polyester, acrylic or masonry filler over the top of ComFoam.
- Once cured, ComFoam can be over coated with suitable exterior acrylic paints. In areas where UV radiation is direct onto the cured foam, painting over is required to ensure protection.

CURE TIME

- 12 – 16 minutes – Skinning.
- 30 – 40 minutes – Cuttable.
- 24 hours – Full cure.
- Drying times will depend upon temperature, humidity and air flow.

COVERAGE

- Coverage is dependent upon shape, size and depth of cavities.

CLEAN UP

- Clean up uncured foam immediately with acetone.
- Cured material is very difficult to remove and requires sanding or mechanical removal.
- If on skin, wash with an abrasive soap.
- Directly after use, clean partially used can by adding a few drops of acetone into the nozzle and valve, to clear uncured material.

SIZES

Crommelin[®] **ComFoam** is available in 500g cans.

RELATED PRODUCTS

- Crommelin[®] Water Rinsable Degreaser.
- Crommelin[®] Contractor Polyurethane Sealant – 600ml
- Crommelin[®] Silicone WP Plus – 300ml

MAINTENANCE AND REPAIR

- Crommelin[®] ComFoam must be protected from damage by after trades.

PRECAUTIONS

- Ensure substrate is clean and free from contaminants before application.
- Do not apply during periods of extreme weather conditions. Apply between 5⁰c and 30⁰c.
- Shelf life is 12 months.

TRANSPORT AND STORAGE

- Size: 500g
- Weight: 600g
- Cool and Dry Storage
- UN Number: 1950
- DG Class: Aerosol Class 2.1
- Flash Point: -83⁰c
- Hazchem Code: 2Y
- Poisons Schedule: N/A



SAFETY AND FIRST AID

Crommelin[®] ComFoam Safety Data Sheet is available from Crommelin[®] upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin[®] also reserves the right to update information without prior notice, to reflect ongoing research and product development.

