

## DESCRIPTION

**TETRA SEAL WINDOW AND DOOR FOAM (FIRE-RATED)** is a one-component, self-expanding, ready-to-use, Multi-purpose Polyurethane foam. The foam will expand and cure by moisture in the air. It is used for a wide range of building applications. It is very good for filling and sealing with excellent mounting capacities, high thermal and acoustical insulation. It will stop burning when there is no fire contact. It is environmentally friendly as it does not contain any CFC materials. This product has been tested by QAI and has achieved a Class A rating for flame spread and smoke development, in compliance with ASTM E84-23 and CAN/ULC-S102.

## PRODUCT FEATURES

- Excellent adhesion to a wide variety of surfaces such as UPVC, masonry, brick, block work, glass, steel, aluminum, timber and other substrates (except PP, PE and Teflon);
- High thermal and acoustical insulation;
- Very good filling capability;
- Application temperature between -15°C to +45°C;
- Optimal application temperature between +18°C to +30°C;
- Environmentally friendly. It contains CFC-free propellants which are harmless to the ozone layer.

## TYPICAL PHYSICAL PROPERTIES

Physical Properties	Result
Base	Polyurethane
Consistency	Stable Foam
Curing System	Moisture-curing
Tack-Free Time (min)	6~8
Drying Time	Dust-free after 11-13 min
Cutting Time (min)	40~50
Yield (L)	26
Shrink	None
Post Expansion	5%~10%
Cellular Structure	>84% close cells
Specific Gravity (kg/m <sup>3</sup> )	21
Temperature Resistance	-50°C~+80°C
Application Temperature Range	-15°C~+45°C
Colour	Green or Blue
Flame Spread Rating (FSR) In Compliance with ASTM E84 - 23 & CAN/ULC-S102	0 (Class A)
Smoke Developed Classification In Compliance with ASTM E84 - 23 & CAN/ULC-S102	40 (Class A)
Insulation Factor (Mw/m.k)	0.039
Compressive Strength (kPa)	150
Tensile Strength (kPa)	210
Adhesive Strength(kPa)	180
Water Absorption (ML)	0.3~8(no epidermis) <0.1(with epidermis)

## STORAGE, SHELF LIFE & PACKAGING

Shelf Life	12 months in unopened packing store
Storage Temperature Recommendation	between +5°C to +25°C
Gross Weight	900g
Net Weight	750ml/can, 12pcs/carton for both Manual type and Gun type
Colour	Green or Blue



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TEL: 905-754-0568  
 Toll-Free: 1-855-818-8288  
 FAX: 905-754-0558  
 Email: info@sdpu.ca  
 Website: www.sdpu.ca  
 Address: 1200 Denison St,  
 Markham, ON L3R 8G6

## APPLICATION AREAS

- Installing, fixing and insulating of door and window frames;
- Filling and sealing of gaps, joint, openings and cavities;
- Connecting of insulation materials and roof construction;
- Bonding and mounting;
- Insulating the electrical outlets and water pipes;
- Heat preservation, cold and sound insulation;
- Packaging purpose, wrap the precious & fragile commodity, shake-proof and anti-pressure.

## APPLICATION INSTRUCTIONS

- Shake the aerosol can for at least 40 seconds;
- Clean and moisten surfaces with a water sprayer prior to application;
- Fit the gun or plastic applicator on the adapter.
- Firmly screw the can on the adapter and turn the flow adjustment screw; Fill the holes and cavities.
- Bottom up during application; Foam will be tack-free in about 10 minutes; Excess can be trimmed in about one hour;
- Fresh foam can be removed by using Spray Foam cleaner or acetone. Cured foam can only be removed mechanically.

## STORAGE RECOMMENDATIONS

- Keep in cool, shaded and well-ventilated area
- Always keep the can with the valve pointed upwards.

## SAFETY RECOMMENDATIONS

- Do not breathe spray/vapor; In case of eye contact, flush with water and get immediate medical attention;
- Use in well-ventilated areas;
- Wear suitable protective clothing, gloves and goggles;
- Keep away from direct sunlight and do not expose temperatures over 50°C;
- Do not burn or pierce even after use;
- Keep away from heat, sparks, flames and static electricity; Turn off sources of ignition (pilot light etc.);
- Keep out of the reach of children.

## TECHNICAL ASSISTANCE

### TETRA SEAL WINDOW AND DOOR FOAM (FIRE-RATED)

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**Address:** 1200 Denison St, Markham, ON L3R 8G6

**Tel:** 905-754-0568 | **Toll Free:** 1-855-818-8288 | **Fax:** 905-754-0558

**E-mail:** [info@sdpu.ca](mailto:info@sdpu.ca) | **Website:** [www.sdpu.ca](http://www.sdpu.ca)

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