



Transportation  
Sealants & Adhesives

# TECHNICAL DATA

## WINDOW & DOOR INSTALLATION FOAM POLYURETHANE SEALANT

### 1. PRODUCT DESCRIPTION:

Polyurethane Window and Door Foam Sealant is specially designed to eliminate frame distortion during installation. It is a single component, moisture-cure, polyurethane foam sealant with a (H) CFC-free propellant designed to fill gaps, cracks, etc., and to stop air infiltration around door and window frames.

Window and Door Foam is gray in color, easily distinguishing the product from common expanding foams.

**Packaging:** 12 oz. can

### 2. TECHNICAL DATA: (See chart on back.)

#### 3. INSTALLATION:

**Suggested Tools:** Clean rag, foam cleaner, utility knife, gloves, and goggles.

- Prior to use, read directions on label
- Optimal application temperature is between 65° F to 80° F (18° C to 27° C)
- Shake can vigorously (20-25 times)
- Clean all surfaces with a clean rag and remove loose debris in cavity
- Screw trigger assembly onto can ensuring a tightly threaded fit
- Pull trigger to dispense foam, controlling extrusion rate with trigger pressure
- When using as an adhesive, bond substrates together immediately and use mechanical fasteners or clamps to guarantee a permanent bond

**Application:** Window and Door Foam Sealant should be applied in a well-ventilated area, or with respiratory protection. For best results, use foam sealant with sufficient atmospheric humidity. Deep, dry, cavities may need to be moistened before application. However, too much wetness will interfere with adhesion.

Fill the lowest part of the cavity first. When using Window and Door Foam Sealant, fill only 25% with foam. Temperature of the surface to be foamed should be 40° F to 115° F (4° C to 46° C). Optimal can temperature is 70° F to 80° F (21° C to 27° C). Window and Door Foam Sealant will withstand continuous temperatures up to 200° F (93° C).

Do not disturb freshly dispensed foam because it will collapse. Foam Sealant will be tack free in 5 minutes and cures to firm resiliency within 2 hours.

**Precautions:** Solvents might be damaging to paints and painted metal siding. Make sure that the intended application of this product conforms with all local codes. Cans are pressurized and must not be punctured or incinerated.

- Not UV Resistant-exposed foam should be painted
- Not intended for use in areas with poor ventilation
- For best results, condition foam to room temperature

**Clean-up:** Uncured foam can be removed using Geocel Foam Cleaner, acetone, nail polish remover, or paint thinner. Clean after each use.

### 4. STORAGE LIFE:

Store in a cool, dry place. For best results store at 70° F (21° C).

**Warning:** CONTENTS UNDER PRESSURE. CAN MAY BURST IF LEFT IN A CLOSED AREA SUCH AS A MOTOR VEHICLE. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. May cause respiratory tract and skin irritation. The foam produced is combustible and may present a fire hazard if exposed to flame or temperatures above 120° F (49° C). DO NOT puncture or incinerate. KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin and eyes. Use only with adequate ventilation. Follow manufacturer's precautions when handling solvents.

### 5. AVAILABILITY AND COST:

Marketed throughout the U.S., Canada, and in select foreign markets. Cost and further technical data are available from your local Geocel Representative or from Geocel's corporate offices.

## 6. LIMITED WARRANTY:

Recommendations for the use of this product are based on tests believed to be reliable. No warranty exists, expressed or implied, of merchantability, fitness, or suitability for this product's use or otherwise extending beyond the description thereof except the obligation to replace that portion of shipment proved defective.

## 7. MAINTENANCE:

No maintenance is required. If sealant is damaged, remove damaged area of foam and reseal with Window and Door Foam Sealant.

## 8. TECHNICAL SERVICES:

Geocel representatives throughout the U.S. are available to provide technical assistance. Geocel Corporation's in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information and/or applications testing.

Technical Data Averages	RESULTS	TEST METHOD
R-Value	4-5 per inch, typically	ASTM C 518
Core Density	1.44 lb/ft <sup>3</sup> (23 kg/m <sup>3</sup> )	
Shelf Life	18 months from MFG date	
Cure Time	12 - 24 hours	
Can Be Cut (1" bead) at room conditions	less than an hour	
Tack Free Time	Approx. 5 minutes (70° F (21° C) 40% RH)	
Pressure Build	.17 - 1.25 psig	

## APPROVALS/STANDARDS

Geocel Polyurethane Foam Sealant conforms to the following Classifications, Codes and Standards

UL Classified - File # R13919 Caulking and Sealants  
ASTM E 84 (8.3%)  
Flame Spread 5  
Smoke Developed 10

ASTM E 2112 Standard Practice for Installation of Windows, Doors and Skylights, sec. 5.9.2

Canadian Standards Association Window and Door Installation Guidelines, A440.4-98

ODP (Ozone Depletion Potential): Contains non-ozone depleting, non-flammable HFC propellant.

VOC Content: Contains no VOCs.

NFPA 30B Classification: Level 1 Aerosol

## THEORETICAL YIELD PER Can

### Size:

12 oz. can yield = 0.395 cu. ft.

### Bead Size:

3/8" = 12 oz. = 475 linear ft.