



Transportation  
Sealants & Adhesives

TECHNICAL  
DATA

# EXPANDING FOAM SEALANT

## 1. PRODUCT DESCRIPTION:

Expanding Foam Sealant 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 and pipe penetrations.

**Packaging:** 12 and 20 oz. cans

## 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
- Application temperature should be between 40° F to 95° F (4° C to 35° 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:** Expanding Foam Sealant should be applied in a well ventilated area, or with respiratory protection. For best results, use Expanding 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 Expanding Foam Sealant, fill only 40% with foam since expanding formula expands approximately 2 1/2 times. Temperature of the surface to be foamed should be 40° F to 95° F (-5° C to 35° C). Optimal can temperature is 70° F to 80° F (21° C to 27° C). Expanding Foam Sealant will withstand continuous temperatures up to 195° F (90° C).

Do not disturb freshly dispensed foam because it will collapse. Expanding Foam Sealant will be tack free in 10 minutes and cures to firm resiliency within 8 hours.

**Painting:** Expanding Foam Sealant may be painted or stained after full cure. NOTE: Outdoor applications must be coated with a paint or stain to protect foam from ultra violet light exposure.

**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.

**Storage:** Store in a cool dry place below 120° F (49° C). For best results store at 70° F (21° C).

**Warning:** CONTAINS FLAMMABLE GAS. 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 240° F (116° C). DO NOT puncture or incinerate. KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin and eyes. Use only with adequate ventilation. Store in a cool dry place below 120° F (49° C). Follow manufacturer's precautions when handling solvents.

## 4. 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.

## 5. 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.

**TECHNICAL DATA**

Apparent Thermal Conductivity  
 Apparent Thermal Resistant  
 Compressive Resistance  
 Apparent Density  
 Water Absorption  
 Elasticity Limit  
 Flame Spread  
 Smoke Development  
 Shelf Life  
 Air Filtration  
 Full Cure (1" bead)  
 Can Be Cut (1" bead)  
 Tack Free (1" bead)

**Result**

0.22 - 0.26  
 3.8 - 4.5  
 8.7 @ 10% deformation  
 0.94 lb/ft - 1.6 lb/ft  
 0.30%  
 27.6 psi  
 5  
 20  
 18 months from mfr. date  
 <0.1 cfm/ft @ 1.56 & 6.24 psf  
 24 hours (73° F - 50% RH)  
 45 minutes (73° F - 50% RH)  
 10 minutes (73° F - 50% RH)

**Test Method**

ASTM C 518  
 R-Value  
 ASTM C 1621  
 ASTM D 1622  
 ASTM D 2842

**6. MAINTENANCE:**

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

**7. TECHNICAL SERVICES:**

Geocel representatives throughout the United States 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.

**THEORETICAL YIELD PER****Can Size:**

12 oz. can yield = 0.5 cu. ft.  
 20 oz. can yield = 0.8 cu. ft.

**Bead Size:**

3/8" = 12 oz. = 275 linear ft.  
 3/8" = 20 oz. = 460 linear ft.