



Transportation  
Sealants & Adhesives

TECHNICAL  
DATA

# GEOBOND PUR 50™

## ONE PART POLYURETHANE SEALANT/ADHESIVE

### 1. PRODUCT DESCRIPTION:

GEOBOND PUR 50 is a one component, fast curing, polyurethane sealant/adhesive that cures to a tough, flexible seal. GEOBOND PUR 50 has tenacious adhesion to a wide variety of substrates including aluminum, steel, wood, pre-painted metals, galvanized steel and most plastics. It can be used in bonding, beading, and sealing applications. It contains no TDI (toluene diisocyanate).

**Basic Uses:** GEOBOND PUR 50 Polyurethane Sealant/Adhesive is specifically designed for sealing and bonding in the truck trailer, container, RV, mobile home, and marine industries. It can be used to seal and fasten materials that have dissimilar coefficients of expansion. Not for use on crack sensitive plastics or plastics containing a high plasticizer content.

**NOTE:** Do not use for below water line marine applications.

**Composition and Materials:** GEOBOND PUR 50 is a one component, non-sag polyurethane sealant/adhesive that cures by reaction with atmospheric moisture to form a permanent elastic seal. It has a life expectancy of 50 years.

**Grade:** Non-sag, gun grade consistency

**Packaging:** 10.1 fl. oz. cartridge/24 per case

**Colors:** White, gray, and black (other colors may be available by special request).

### 2. TECHNICAL DATA:

(See chart on back.)

### 3. SURFACE PREPARATION:

Materials should be clean, free of water, frost, oil, grease, or rust and free from defects and foreign material. Primers are not usually required, however improved adhesion to metal surfaces can be achieved by wiping with a proprietary solvent such as denatured alcohol.

### Service & Application Temperatures:

-20° F to 150° F (-29° C to 66° C)

**Application and Tooling:** Apply with standard or heavy duty caulking equipment. Warm tube if temperature is below 40° F (4° C) for easier gunning. Dry tool with light pressure immediately after applying. Tooling time is 40-60 minutes. Tack free in 40 minutes. Cures completely in 4 days (depending on bead size). For best results as an adhesive apply in a zigzag pattern.

**Painting:** Paintable. Test area is recommended. Follow paint manufacturer's specifications.

**Cleaning:** Excess sealant should be dry wiped from all surfaces and tools while uncured and then clean surfaces with a commercial solvent such as xylol, toluol or MEK. Cured sealant may be removed with a sharp blade.

**NOTE:** Cured sealant is very difficult to remove without altering or damaging the surface to which it was applied.

### 4. STORAGE LIFE:

One year from date of manufacture when stored in dry conditions below 80° F (27° C).

**Availability and Cost:** Marketed throughout the U.S., GEOBOND PUR 50 is available from various distributors. Costs and further technical data are available from your local Geocel representative or from Geocel's corporate offices.

### 5. LIMITED WARRANTY:

Geocel Corporation warrants that the product is manufactured according to their published standards. The company guarantees for five years from the date of manufacture that GEOBOND PUR 50 Polyurethane Sealant/Adhesive will not crack due to normal expansion and contraction and that it will not lose its adhesion or cohesion. Geocel Corporation will, at its option, either refund the purchase price of, or provide replacement for, that portion of the GEOBOND PUR 50 which fails to perform in accordance with this warranty. Such refund or replacement will constitute the limit of Geocel's liability and obligation for any such failure. Geocel Corporation will not be liable or obligated otherwise for any loss or damage arising directly or indirectly from this product, or the use or failure thereof, whether based on breach of warranty or negligence.

### 6. MAINTENANCE:

No maintenance should be required. If the sealant is damaged, remove bead and reseal.

## 7. TECHNICAL SERVICES:

Geocel representatives throughout the U.S. are available to provide technical assistance. Geocel'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 10.1 fl. oz. cartridge**

<b>Joint Size</b>	<b>Linear Feet</b>
1/4" x 1/4"	24.1
1/4" x 3/8"	16.0
1/4" x 1/2"	12.0
1/2" x 3/8"	8.4
1/2" x 1/2"	6.0
3/4" x 1/2"	4.0

### **Technical Data**

#### **Typical Uncured Properties**

Tack Free	40 minutes
Cure Time (77° F) (25° C)	2 days
Flow, Sag, or Slump	None

#### **Typical Cured Properties**

Type A Hardness	43
Tensile Strength	204 psi
Elongation	827%