



Transportation
Sealants & Adhesives

TECHNICAL
DATA

Geobond® PUR 52

ADHESIVE/SEALANT

1. PRODUCT NAME:

Geobond® PUR 52
Adhesive/Sealant

2. MANUFACTURER:

GEOCEL, LLC
P.O. Box 398
Elkhart, IN 46515 USA
Phone: (800) 348-7615
Fax: (800) 348-7009
www.GeocelUSA.com

3. PRODUCT DESCRIPTION:

Geobond® PUR 52 Adhesive/Sealant is a one-component, high performance, solvent-free, odorless, polyurethane structural adhesive/sealant that cures to a tough, durable elastomer. Geobond PUR 52 has excellent adhesive properties and high mechanical strength for adhesion to a wide variety of substrates including fiberglass, aluminum, steel, wood, pre-painted metals, galvanized steel, and many plastics. It can be used in bonding, beading, and sealing applications. It contains no TDI (toluene diisocyanate).

Product Benefits:

- Single component
- No odor
- Good gap-filling properties
- Withstands high dynamic stresses
- Elastic
- Non-corrosive
- Bonds and seals to a wide variety of substrates

Basic Uses:

Geobond PUR 52 is specifically designed for bonding and sealing sidewall laminations 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.

Adheres To: Fiberglass, aluminum, steel, wood, pre-painted metals, galvanized steel, and many plastics.

Composition and Materials: Geobond PUR 52 is a one-component, non-sag polyurethane structural adhesive/sealant that cures by reaction with atmospheric moisture to form a permanent elastic seal. It can be used in high and low humidity.

Grade: Non-sag, gun grade consistency

Packaging: 10.1 fl. oz. cartridge, 20 fl. oz. sausage

Colors: White (other colors may be available by special request)

Limitations:

- Do not use on crack sensitive plastics or plastics containing high plasticizer content
- Do not use for below water line marine applications

4. INSTALLATION:

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 solvent.

Tack Free: 35 minutes

Cure: 1 day

Service Temperature: - 20°F to 150°F
(-29°C to 66°C)

Application Temperature: - 20°F to 150°F
(-29°C to 66°C)

Application and Tooling: Apply with standard or heavy duty caulking equipment. Warm package if temperature is below 40°F (4°C) for easier gunning. Dry tool with light pressure immediately after applying. Tooling time is 20-35 minutes. Cures completely in 1 day (depending on bead size, temperature, and humidity). 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.

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

Warning: Use only with adequate ventilation. Keep away from heat and open flames. Do not take internally. KEEP OUT OF REACH OF CHILDREN. This product may be harmful or fatal if swallowed. If swallowed, DO NOT induce vomiting. In case of eye contact, flush thoroughly

with clear water for at least 15 minutes. In either case, call a physician immediately. In case of skin contact, wash thoroughly with soap and water.

5. AVAILABILITY AND COST:

Marketed throughout the U.S., Geobond PUR 52 is available from various distributors. Cost and further technical data are available from your local Geocel representative or from Geocel's corporate offices.

6. LIMITED WARRANTY:

Geocel, LLC warrants that the product is manufactured according to their published standards. The company guarantees for 5 years from the date of manufacture that Geobond PUR 52 Adhesive/Sealant will not crack due to normal expansion and contraction and that it will not lose its adhesion or cohesion. Geocel LLC will, at its option, either refund the purchase price of, or provide replacement for, that portion of the GeoBond PUR 52 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, LLC 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.

7. MAINTENANCE:

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

8. 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
per 10.1 fl. oz. cartridge

Joint Size	Linear Feet
1/4" x 1/4"	24.3
1/4" x 3/8"	16.2
1/4" x 1/2"	12.2
1/2" x 3/8"	8.5
1/2" x 1/2"	6.1
3/4" x 1/2"	4.0

per 20 fl. oz. sausage

Joint Size	Linear Feet
1/4" x 1/4"	48.1
1/4" x 3/8"	32.0
1/4" x 1/2"	24.0
1/2" x 3/8"	16.8
1/2" x 1/2"	12.0
3/4" x 1/2"	7.9