

3300[®]

POLYURETHANE ROOFING SEALANT

1. PRODUCT DESCRIPTION:

3300 Polyurethane Roofing Sealant is a single component, moisture curing polyurethane sealant that cures rapidly to a durable, low modulus, flexible, weatherproof sealant. The cured sealant adheres well to most common substrates such as masonry, concrete, glass, and aluminum without priming, providing a life expectancy exceeding 30 years. 3300 contains no TDI (toluene diisocyanate).

Basic Uses:

3300 Sealant can be used for exterior and interior of perimeters of frame openings; expansion, control, and isolation joints; coping and coping-to-facade joints; cornice and wash joints; building-lath paper seams; panels; poured in place; tilt up; underside of precast planks; top of non-loadbearing walls; steps and risers; roofing, etc. It is also suitable for various manufacturing uses, such as production of travel trailers and mobile homes, and many other OEM applications.

Grade: Gun grade consistency

Packaging: 10.1 fl. oz. cartridge

Colors: White, gray, limestone, bronze, tan, aluminum gray, and black

Limitations: Limitations:

- Do not apply over damp or contaminated surfaces
- Do not apply to absorptive surfaces such as marble, limestone, or granite without prior testing for discoloration or staining

Applicable Standards:

- ASTM C920, TYPE S, GRADE NS, CLASS 25, USE NT, A AND M.
- US Federal Specification TT-S 00230C (COMB-NBS) for one-component sealants as Class A, non-sag.
- Canadian Specification CAN/CGSB 19.13-M87.
- CARB and SCAQMD Compliant. Meets VOC Requirements for OTC Regulation.

2. TECHNICAL DATA:

(See chart on back.)

3. INSTALLATION:

Should be a minimum of 4 times the anticipated movement. In joints up to 1/2" wide, the depth of the sealant should be equal to the width, but not less than 1/4". In joints wider than 1/2", the depth should be maintained at 5/8". Lap shear joints should have a width of at least twice the anticipated movement.

Surface Preparation: Joints to receive sealant must be sound, smooth, uniform in dimensions, and free from defects and foreign material. They must be clean, dry, free of frost, and all contaminants, such as curing compounds, sealers (waterproofing), coatings, etc. Sealant adhesion should be tested on each different substrate prior to caulking. To test adhesion, apply a sealant bead and allow to cure thoroughly. Then pull one end of the bead to test adhesive strength.

Joint Backing: Joint depth should not exceed 5/8". An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three-point contact.

Application and Tooling: Apply with conventional caulking equipment. Fill joints from the back to prevent voids and air pockets. If application

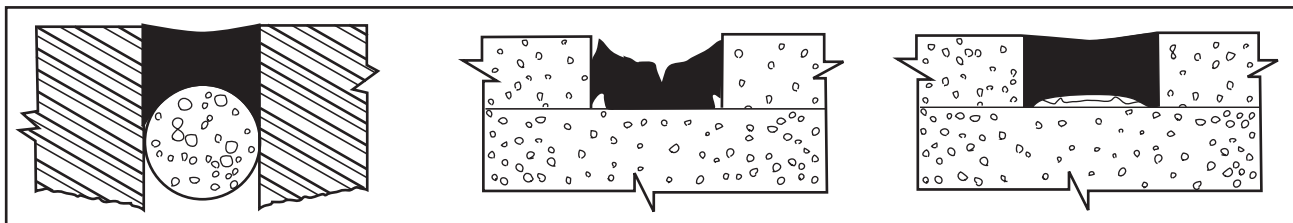


FIGURE 1

Proper Depth Control

FIGURE 2

Joints without Bond Breaker

FIGURE 3

Joints with Bond Breaker

The effects on the sealant with and without bond breakers are illustrated in Figures two and three.

temperature is below 40° F (5° C), precautions should be taken to ensure the substrates are completely dry and frost free. Immediately after application, tooling is recommended to ensure firm, full contact with the joint sides.

Cleaning: Remove 3300 Sealant from gun and tools before it cures. This may be done by scraping and use of solvents such as Xylol. Cured materials may be removed by cutting with sharp tools or sandpapering.

4. STORAGE LIFE:

Unopened containers should be protected from heat, moisture, and direct sun. Do not open containers until all preparatory work has been completed. Material in unopened containers is usable up to 1 year when stored at 75° F (25° C).

Availability and Cost: Marketed throughout the U.S., 3300 Sealant is available from various distributors. Costs and further technical data are available from your local Geocel representative or from Geocel's corporate offices.

Warning: Use only with adequate ventilation. Keep away from heat and flame. Do not take internally. Avoid eye and skin contact. KEEP OUT OF REACH OF CHILDREN. This product as supplied may be harmful or fatal if swallowed. If swallowed DO NOT induce vomiting. If contacted on eyes, flush thoroughly with clear water for at least 15 minutes. In either case, call a physician immediately. If contacted on skin, wash thoroughly with soap and water.

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 3300 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 3300 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:

If sealant is damaged and the bond is intact, cut out the damaged area and recaulk. No primer is required. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under "Surface Preparation" and recaulk.

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

Joint Size	Linear Feet
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 Averages	Results	Test Method
Tack Free Time	4 hours	
Flow, Sag or Slump	0.1 inches	
Cure Time	2-7 days	Varies with RH
Adhesion Peel	>5 piw	ASTM C 794
Modulus, 100%	65 psi	ASTM D 412
Tensile Strength	133 psi	ASTM D 412
Ultimate Elongation	685%	ASTM D 412
Type A Hardness	42	ASTM D 2240
Staining	None	ASTM C 510
Durability, (Bond & Cohesion)	+ 25%	ASTM C 719
% movement on glass, aluminum, concrete		
Application Temperature:		
-40° F to 150° F (-40° C to 66° C)		
Service Temperature:		
-40° F to 150° F (-40° C to 66° C)		