

3500™ Polyurethane Bonding Sealant



1. PRODUCT NAME:

3500™ Polyurethane Bonding Sealant

2. MANUFACTURER:

Geocel Products Group A Business Unit of The Sherwin-Williams Company ("Geocel Products Group") Cleveland, OH 44115
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3. PRODUCT DESCRIPTION:

3500™ Polyurethane Bonding Sealant is a urethane sealant that cures to a tough, flexible seal. It can be used in bonding, beading, and sealing applications. It contains no TDI (toluene diisocyanate).

Product Benefits:

- One-part urethane moisture cure sealant
- Contains no TDI (toluene diisocyanate)
- Ideal for adhering roof tiles
- Paintable
- Both bonding and sealing applications
- Variety of colors
- Fast set-up, minimal shrinkage
- Meets ASTM C 920

Basic Uses: 3500 Sealant is especially designed for roofing, gutters, expansion joints, construction joints, and other applications

Adheres to: Concrete, brick, wood, tile, steel, asphalt shingles, sheet metal, and other common building substrates

Composition and Materials: 3500 Sealant is a one-part urethane sealant that cures by reaction with atmospheric moisture.

Grade: Gun grade consistency

Primer: Not required on most surfaces.

Packaging: 10.1 fl. oz. cartridge – 24 per case

Colors: Gray, black, brown, and terra cotta

Application Standards: Meets ASTM C 920 Type S, Grade NS, Class 25, Use NT, A, M, G, and O; Meets Federal Specification TT-S-00230C, Type II, Class A; Meets Canadian Specification CAN/CGSB-19.13-M87 Class 2 Non-sag, Class 25, Class M.

Limitations:

- Do not use for glazing
- Do not use on plastic materials with high plasticizer content
- Do not use on corrosive/crack sensitive plastics

- Do not use for portable water applications
- Do not use in areas where food is processed or stored

4. INSTALLATION:

Joint Design: Sealant should have a ratio of approximately twice the joint width to depth.

Surface Preparation: Joints must be sound, smooth, uniform in dimensions, and free from defects and foreign material. They must be clean, dry, and free of frost and all contaminants such as curing compounds, sealers (waterproofing), coatings, etc.

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.

Elongation: 827%

Tack Free: 40 minutes

Cure: 1 day

Application and Tooling: Apply with conventional caulking equipment, filling joint completely. Warm tube if temperature is below 40° F (4° C) for easier gunning. Dry tool with light pressure immediately after applying. For best results as an adhesive, apply in a zig-zag pattern.

Painting: Paintable

Cleaning: Uncured 3500 Sealant may be easily removed from hands and tools with towels. Excess sealant should be dry wiped from all surfaces and tools while uncured. 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

Cautions: CONTAINS ALIPHATIC POLYISOCYANATE HEXAMETHYLENE DIISOCYANATE AROMATIC POLYISOCYANATE POLYMETHYLENE POLYPHENYL ISOCYANATE METHYLENEDIPHENYL DIISOCYANATE CRYSTALLINE SILICA VAPOR HARMFUL. Gives off harmful vapor of solvents and isocyanates. DO NOT USE IF YOU HAVE CHRONIC (LONGTERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE. Follow directions for respirator use. Wear the respirator for the whole time until all vapors are gone. If you have any breathing problems during use, LEAVE THE AREA and get fresh air. If problems remain or happen later, IMMEDIATELY call a doctor - If not available get emergency

medical treatment. Have this label with you. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. IRRITATES SKIN AND EYES. Avoid contact with eyes and skin. In case of eye contact, flush immediately with plenty of water for 15 minutes and call a doctor - If not available get emergency medical treatment. In case of skin contact, wash thoroughly with soap and water. Clothes contaminated by a spill should be removed and laundered. Keep container closed when not in use. Reacts with water in closed container to produce pressure which may cause container to burst. Do not transfer contents to other containers for storage.

First Aid: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure.

Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

5. AVAILABILITY AND COST: Available from various lumber yards, hardware stores, home centers, construction material and industrial distributors. Cost and further technical data are available from your local Geocel Products Group representative or from our offices.

6. LIMITED WARRANTY: If when applied according to label directions this product fails to perform in accordance with its published literature, upon satisfactory evidence of product failure, and as your sole remedy, we will either replace the product at no cost or refund the original purchase price for that portion of product that fails to perform in accordance with this limited warranty. Labor or costs associated with labor are not included. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. WE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER AND SUCH DAMAGES ARE EXPRESSLY EXCLUDED. Some states do not allow the exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state

7. MAINTENANCE:

No maintenance should be required. If the sealant is damaged, remove bead and reseal with 3500 Sealant.

8. TECHNICAL SERVICES:

Geocel Products Group representatives throughout the U.S. are available to provide technical assistance. Our in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information.

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

For additional product information, refer to the product spec sheet located at www.GeocelUSA.com and/or application testing.