



# HYBRID BONDING SEALANT

## Scypolymer One-component Sealant

TopShield® Hybrid Bonding Sealant is a premium one-component, proprietary bonding sealant specifically designed for roofing applications and systems. The advanced technology of Hybrid Bonding Roof Sealant results in a product that quickly withstands ponding water while bonding to many common roofing substrates.



### BENEFITS & FEATURES

- 2 products in 1 – lap adhesive & scrim edge sealant
- No additional adhesives or sealants needed
- Remains flexible
- Works with EPDM membranes, tapes, and patches

### BASIC USES:

- ▶ For repairing and sealing around through-roof projections, termination points, and flashings
- ▶ Also as an EPDM lap cement adhesive or scrim edge sealant

### ADHERES TO

Asphalt shingles, concrete, steel, EPDM, primed TPO, primed PVC, Hypalon (black only), metal, wood, and other common building substrates.

### HYBRID TECHNOLOGY

#### COMPOSITION AND MATERIALS

Proprietary technology

#### GRADE

Gun grade consistency

#### PRIMER

Not required on most surfaces. On TPO and PVC membrane applications, a primer is required.

#### LIMITATIONS

- ▶ Do not use on unprimed TPO or PVC membranes
- ▶ Do not use black 4500 Roof Sealant on white EPDM
- ▶ Do not use white 4500 Roof Sealant on black EPDM
- ▶ For exterior use only due to odor emitted during cure
- ▶ Do not use for continuous underwater applications

#### INSTALLATION

Cut tip of nozzle to required width of bead and puncture foil seal. Place cartridge in gun and apply with steady pressure. Press membranes together to allow sealant to spread out and around the seam. If tooling is required, tool joints no less than 1/4" in thickness immediately after application. Maintain a 1/4" thickness if troweled or spread. For best results, remove dust, dirt, and loose materials. Surfaces should be clean.

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

PART NUMBERS		PACKAGING		
ITEM #	SIZE	DISCRIPTION	COLOR	UOM
TOPHRS010BK	10.0 OZ	TOPSHIELD HYBRID BONDING SEALANT	BLACK	Tube



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## Construction Tripolymer Sealant



### SURFACE PREPARATION

For best results, ensure surfaces are clean, dry, sound, and frost-free.

### CLEANING

Remove 4500 Roof Sealant from the gun and tools before it cures. This may be done by scraping and using regionally compliant solvents. Observe manufacturer's precautions when using toxic or flammable solvents. Cured materials may be removed by cutting with sharp tools.

#### Cure:

1 day

#### Application Temperature:

30°F to 120°F

#### Service Temperature:

-75°F to 250°F

#### Storage Life:

One year (unopened)

### CAUTIONS

CONTAINS CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

### 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**

### 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 office.

### 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. 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 that vary from state to state.

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	RESULTS	TEST METHOD
Shore A Hardness	35	ASTM C661
Tensile Strength at Peak (psi)	248	ASTM D412
Elongation at Break (%)	324	ASTM D412
Tack Free Time	90 mins.	ASTM C679
Adhesion to Aluminum (lbf)	14.5	ASTM C794
Adhesion EPDM (lbf)	8.9	ASTM C794
Adhesion to Wood (lbf)	11.0	ASTM C794
Adhesion to Vinyl (lbf)	13.2	ASTM C794

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