



POLYURETHANE

Professional Grade Sealant

TopShield® Polyurethane Sealant is a single-component, high performance polyurethane sealant that withstands adverse weather conditions and cures to a flexible weatherproof seal.



FEATURES

- Withstands adverse weather conditions
- Moisture cure
- Stays flexible
- Minimal shrinkage
- Non-sag formula
- Primerless adhesion on most substrates
- Paintable, non-corrosive
- Contains no TDI (toluene diisocyanate)

BASIC USE

- ▶ Roofing applications such as concrete roofing tile, clay roofing tile, metal roofing, coated steel (Kynar 500® based finishes), and composition shingles
- ▶ Other applications include building lath paper repair, gutters, HVAC, flashing, skylights, roofing seams, roofing projections, termination points, and vents

ADHERES TO:

Masonry, ceramics, wood, steel, coated steel (Kynar 500® based finishes), aluminum, asphalt shingles, building paper, BUR, concrete, fiberglass, and other common building substrates

TYPICAL PROPERTIES

PROPERTY	RESULTS	TEST METHOD
Joint Movement	25%	ASTM C719
Elongation	462%	ASTM D412
Tensile Strength	259 psi	ASTM D412
Tear Strength	77.4 psi	ASTM D624
Tack Free	3 hours	ASTM C679
Shore A Hardness	45	ASTM C661
Adhesion to:		
Concrete	37.4 pli	ASTM C794
Wood	37.2 pli	ASTM C794
Aluminum	18.3 pli	ASTM C794

PART NUMBERS	PACKAGING			
ITEM #	SIZE	DISCRPTION	COLOR	UOM
TOPPS010BK	10.1 OZ	POLYURETHANE SEALANT	BLACK	Tube
TOPPS010BZ	10.1 OZ	POLYURETHANE SEALANT	BRONZE	Tube
TOPPS010MB	10.1 OZ	POLYURETHANE SEALANT	MED BRONZE	Tube
TOPPS010WH	10.1 OZ	POLYURETHANE SEALANT	WHITE	Tube



Scan the QR code to access additional information.

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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.
- ▶ Do not use for portable water applications

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, and 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 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

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

Application Standards:

Meets ASTM C 920 Type S, Grade NS, Class 25, Use NT, A, M, G, and O; Meets Federal Specification TT-S-0230 C, Type II, Class A; Meets Canadian Specification CAN/CGSB-19.13-M87 Class 2 Non-sag, Class 25, Class M.

Cleaning:

TopShield® Polyurethane Sealant from gun and tools before it cures. This may be done by scraping and use of regionally compliant cleaning solvent. Follow manufacturer's precautions when handling flammable or toxic solvents. Wash hands with soap and water. Cured materials may be removed by cutting with sharp tools or sandpapering

INSTALLATION

Joint Design: The width of the joint 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

Cautions:

CONTAINS ALIPHATIC POLYISOCYANATE HEXAMETHYLENE DIISOCYANATE. AROMATIC POLYISOCYANATE POLYMETHYLENE POLYPHENYL ISOCYANATE. METHYLENEDI-PHENYL DIISOCYANATE. CRYSTALLINE SILICA VAPOR HARMFUL. Gives off harmful vapor of solvents and isocyanates. DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. 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 the 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 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. 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.

Availability and Cost:

Discover availability and pricing by contacting us at www.topshieldproducts.com/en/contact, or locate a distributor/store using the "Where to Buy" tool at www.topshieldproducts.com.

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.

Maintenance:

If the 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.

Product Cure:

1 day

Application/Service Temperatures:

Application: 20°F - 150°F (-6°C - 65°C)
Service: -40°F - 180°F (-40°C - 82°C)

Storage:

Unopened containers should be protected from heat, moisture, and direct sun. Do not open containers until all preparatory work has been completed.

Shelf Life:

Material in unopened containers is usable for up to 1 year when stored at 75° F (25° C).