



TopShield® PRO DuraLink® 50 is a high-performance, moisture-curing, hybrid-polymer (STPE) elastomeric sealant engineered for demanding applications requiring maximum flexibility and adhesion. Designed to accommodate high joint movement, it delivers durable sealing performance across challenging substrates, including coated and metal surfaces.

Its non-slump formulation allows for precise application in vertical and overhead joints, while maintaining strong adhesion and long-term elasticity. **DuraLink® 50** creates a reliable, weather-resistant seal for high-performance building envelope applications.

Item Code:	Size:	Description:	Quantity:	Pallet Qty
TOPF1260BLTS	10.1 OZ	TOPSHIELD® PRO DURALINK 50 BLACK	24 - Case	1,080 - Tubes
TOPF1260WHTS	10.1 OZ	TOPSHIELD® PRO DURALINK 50 WHITE	24 - Case	1,080 - Tubes
TOPF1260BRTS	10.1 OZ	TOPSHIELD® PRO DURALINK 50 DARK BRONZE	24 - Case	1,080 - Tubes

FEATURES

- Bonds to Kynar 500® PVDF coated metal
- Solvent-free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 40-minute skin over
- No outgassing on damp surfaces
- Available in a wide range of colors
- Color stability, will not suntan
- Paintable after 24 hours (See limitations)
- ± 50% joint movement
- Made in the USA - ISO 9001:2015 certified

BASIC USES

- ▶ Window and door frames
- ▶ Pre-cast concrete
- ▶ Block and Masonry
- ▶ Curtain Walls
- ▶ Expansion joints
- ▶ Siding
- ▶ Weather Sealing
- ▶ Cove Joints
- ▶ Parapets
- ▶ Transportation

COLORS

Colors available: Black, White and Dark Bronze

APPLICABLE PERFORMANCE STANDARDS

- ▶ ASTM C920, Type S, Grade NS, Class 35, Uses NT, T2, M, G, A & O
- ▶ Federal Specification TT-S-00230-C Type II, Class B
- ▶ Corps of Engineers CRD-C-541, Type II, Class B
- ▶ Canadian Standards Board CAN 19, 13-M82
- ▶ SWR Institute Validated (Sealant Waterproofing and Restoration)

COMPATIBLE SUBSTRATES

- ▶ Kynar 500® PVDF Coated Metal
- ▶ Galvanized Metal
- ▶ Aluminum
- ▶ Engineered Plastics, PVC
- ▶ Glass
- ▶ James Hardie® Board
- ▶ EIFS
- ▶ Brick, Concrete and Stone
- ▶ EPDM and SBS Mod Bit
- ▶ EPS Foam
- ▶ B.U.R (Built up Roofing)
- ▶ Fiberglass FRP
- ▶ Vinyl Siding
- ▶ Stucco

**Test and evaluate to ensure adequate adhesion.*



Scan the QR code to access additional information.



REGULATORY COMPLIANCE

- ▶ Conforms to OTC Rule for Sealants
- ▶ Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- ▶ This product does not contain cancer causing chemicals listed in California Proposition 65
- ▶ Conforms to USDA Requirements for Non-food Contact

GREEN STANDARDS

- VOC Content: less than 22 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)
- EQc2: BPDO – Low emitting
Materials: TopShield®PRO adhesives and sealants are low-VOC products when exterior applied.



JOINT PREPARATION:

Joint surfaces should be clean, dry and free from all contamination including: dirt, oils, grease, tar, wax, rust and any other substance that may inhibit the sealant's performance.

JOINT DESIGN:

Install all joint applications per ASTM and SWRI recommendations and guidelines. Joints shall be designed with a depth to width ratio of 1:2 (joint depth one-half the width). Control the depth of the sealant by using a polyethylene backer rod that is 25% larger than the joint opening at standard temperature. To prevent three-point adhesion use a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal. Where the joint configuration will not permit a backer rod, TopShield®PRO recommends that an alternative bond breaker be used.

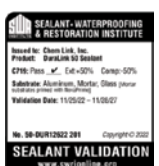
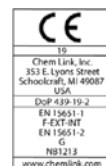
JOINT WIDTH inches (mm)	JOINT DEPTH inches (mm)
1/4 - 1/2 (6-13)	1/4 (6)
1/2 - 3/4 (13-19)	1/4 - 3/8 (6-10)
3/4 - 1 (19-25)	3/8 - 1/2 (10-13)
1 - 2 (25-50)	1/2 (13)

TopShield®PRO recommends an appropriate substrate primer to be used on high moving joints or dissimilar substrates which require increased adhesion properties

TS_DURALINK50_SEALANT_0226



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APPLICATION GUIDELINES

CONCRETE APPLICATION

Prior to application remove any residual contamination by mechanical abrasion, sand blasting or power washing. On green concrete, remove all release agents, friable and loose concrete. Dry all visible and standing water prior to applying TopShield®PRO DURALINK 50. Install an appropriate backer rod to avoid three-point bonding.

METAL APPLICATION

Prepare all metal to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, loose or inappropriate coatings and oils with an appropriate solvent such as alcohol.*

*TopSpec™ recommends that substrates be tested for adhesion prior to starting a project. Please contact Technical Services for specific application guidelines and recommendations.

WOOD APPLICATION

Wood should be clean, sound and dry prior to sealant application. Allow treated wood to weather for six months prior to application. Remove all coatings and paint (or test for compatibility) to ensure proper bonding. Do not use on fire retardant lumber.

PRIMING

In most instances TopShield®PRO Duralink 50 will not require a primer. However, certain applications or substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine the need for a primer. TopShield®PRO Duralink 50 recommends a primer be used for any application where prolonged immersion is anticipated.

APPLICATION INSTRUCTIONS

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces with alcohol DO NOT USE petroleum solvents such as mineral spirits or xylene. Maintain TopShield®PRO Duralink 50 at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion. Carefully gun the sealant with a smooth, continuous bead. If tooling is needed, do so within fifteen minutes of application.

TYPICAL PHYSICAL PROPERTIES / DATA TESTING		
PROPERTY	VALUE	TEST METHOD
Rheological Property	Type II—Single-component non-sag	ASTM C639
Density	12.9 ± 0.2 lbs per gallon	ASTM D1475
Tack FreeTime	40 ± 20 min	45 ± 5 % R.H
Elongation at Break	380% ± 40	ASTM D412
Hardness Shore A	31 ± 2	ASTM C661
Peel Strength	10-15 psi	ASTM C794
Tensile Strength	180 ± 25 psi	ASTM D412
Lap Shear Strength	195 ± 30 psi	ASTM D1002
Low Temperature Flex	Pass -15°F (-26°C) 1/4 in mandrel	ASTM D522
Shrinkage	No Visible Shrinkage After 14 Days	
Service Temperature	-40°F to 200°F (-40C to 93°C)	

CLEAN-UP

Wet sealant can be removed using a solvent such as alcohol. Cured TopShield®PRO Duralink 50 can be removed by abrading or scraping the substrate.

STORAGE & HANDLING

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. TopShield®PRO Duralink 50 will not freeze.

SHELF-LIFE

Cartridges have a twelve months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life. Pails have a shelf life of six months.

CAUTION

Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes immediately flush with water. Call a physician. Please refer to the SDS for First Aid information. See www.TopShieldProducts.com for most current SDS.

KEEP OUT OF REACH OF CHILDREN

LIMITATIONS

- ▶ In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations (800-826-1681).
- ▶ Allow treated wood to "cure" for six months prior to application per APA guidelines.
- ▶ Do not use in areas subject to continuous immersion.
- ▶ Do not store in elevated temperatures.
- ▶ Remove all coatings and sealers before application.
- ▶ Please contact customer service for application guidelines with temperatures below 32°F (0°C).
- ▶ Test and evaluate all paints before application.
- ▶ Polyurethane and oil based paints may dry slowly.
- ▶ Do not use on TPO without TopShield®PRO TPO primer.

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.TopShieldProducts.com for the Safety Data Sheet, Technical Data Guides, Cold Weather Application Guidelines and full warranty for this product.