



TopShield®PRO Metalink® is a high-performance, moisture-cure RTV silicone sealant engineered for metal roofing and other exterior finishing and construction applications. Specially formulated with a non-corrosive, neutral cure chemistry, there is very little odor while providing durable adhesion across a wide range of metal and building materials. Designed for exterior environments, it delivers reliable sealing performance on metal roofing, siding, and related assemblies.

It is UV-resistant, maintaining a clean, stable finish while preventing discoloration on sensitive metal surfaces such as copper. **Metalink®** ensures long-term weatherproofing while supporting a professional, finished appearance.

Item Code:	Size:	Description:	Quantity:	Pallet Qty
TOPF1213CLTS	10.1 OZ	TOP SHIELD PRO METAL ML CLEAR	12 - Case	1,260 - Tubes

FEATURES

- 50% joint movement
- Neutral cure. Will not promote corrosion of metal
- Bonds to Kynar 500® PVDF coated metal
- Solvent-free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 10-minute skin over
- Color stability, will not suntan
- Made in the USA - ISO 9001: 2015 certified processes

BASIC USES

- ▶ Metal Roofing
- ▶ Gutters
- ▶ Window and door frames
- ▶ Expansion joints
- ▶ Siding
- ▶ Parapets
- ▶ Cove Joints
- ▶ Transportation
- ▶ Weather Sealing

GREEN STANDARDS

- VOC Content: less than 25 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.



COMPATIBLE SUBSTRATES

- ▶ Kynar 500® PVDF Coated Metal
- ▶ Galvanized Metal
- ▶ Aluminum
- ▶ Copper
- ▶ Glass
- ▶ Fiberglass FRP
- ▶ Tedlar® PVF
- ▶ Engineered Plastics, PVC
- ▶ EPS Foam
- ▶ Silicone Roof Coatings

**Test and evaluate to ensure adequate adhesion.*

APPLICABLE PERFORMANCE STANDARDS

- ▶ ASTM C920, Type S, Grade NS, Class 50
- ▶ Uses NT, T2, M, G, A & O
- ▶ Federal Specification TT-S-00230-C Type II, Class A
- ▶ Corps of Engineers CRD-C-541, Type II, Class A
- ▶ Canadian Standards Board CAN 19, 13-M82

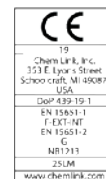
REGULATORY COMPLIANCE

- ▶ 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

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Scan the QR code to access additional information.



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 Metalink. 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.*

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

PRIMING

In most instances TopShield® PRO Metalink 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 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 Metalink 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 Properties	Type II - Single-component non-sag	ASTM C639
Elongation at Break	600%	ASTM D412
Hardness Shore A	10 +/-3	ASTM C661
Tensile Strength	135 psi	ASTM D412
Shear Strength	75 +/-5 psi	ASTM D1002
Low temperature flex	Pass -15°F (-26°C) 1/4 inch mandrel	ASTM D52
Shrinkage	No visible shrinkage after 14 days	
Service Temp	80°F to 400°F (-62°C to 204°C)	

TYPICAL PEEL VALUES

PROPERTY	VALUE	TEST METHOD
Aluminum	17 pli cohesive failure	ASTM C794
Concrete	16 pli cohesive failure	ASTM C794
Glass	19 pli cohesive failure	ASTM C794
Copper	9.5 pli cohesive failure	ASTM C794
Kynar	19 pli cohesive failure	ASTM C794
Steel	18 pli cohesive failure	ASTM C794

CLEAN-UP

Wet sealant can be removed using a solvent such as alcohol. Cured TopShield®PRO Metalink 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 Metalink will not freeze.

SHELF-LIFE

Cartridges and sausages have a twelve month shelf-life when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life.

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 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.
- ▶ 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).
- ▶ Do not use on surfaces to be painted.
- ▶ Staining may occur on limestone and porous substrates, test and evaluate before application.

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.

