

Technical Data Sheet

Polyether Technology

CSI Section No. 09 30 60

CHEM LINK

Construction & Maintenance

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Product Description

TileSecure Roof Tile Adhesive/Sealant is a high performance moisture curing, polyether adhesive, formulated for installation and repair of clay, composite, concrete, and slate roof tiles.

Coverage per 10.1oz Cartridge

- 1/4" x 1/4" bead yields 24.3 linear feet
- 1/4" x 1/2" bead yields 12.2 linear feet
- 1/2" x 1/2" bead yields 6.1 linear feet

Please visit www.chemlink.com and view our sealant calculator located in the contractor resources section for additional coverage rate information.

Applicable Performance Standards

- ASTM C920, Type S, Grade NS, Class 35, Uses NT, T₂, M, G, A, and 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

Regulatory Compliance

- Conforms to OTC Rule for Adhesives
- Meets requirements of California Regs: CARB 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:

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 25 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



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Advantages

- Solvent free, 100% solids, will not shrink
- No outgassing on damp surfaces
- Paintable within 24 hours
- Can be applied at temperatures down to 32°F (0°C)
- Non-Slump, applies vertically and overhead
- Very good color stability, will not suntan
- Non-carcinogenic
- Made in the USA - ISO 9001:2015 certified

Compatible Substrates*

Masonry

Stone

Roof Tile

Aluminum & Galvanized Metal

Wood

EPS Foam

*Test and evaluate to ensure adequate adhesion.

Colors

Terra Cotta, Medium Bronze, Stone, Black Gray & Tan

* Color matching is available in batch quantities only.

Packaging

- 10.1 oz (300ml) cartridges
24 cartridges/carton, 45 cartons/pallet
- 2 and 5 gallon pails, or 50 gallon drums available by special order



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Application Instructions

TileSecure is a one component, ready-to-use material that requires no mixing or preparation. 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. Do not apply below 32°F (0°C). Maintain **TileSecure** at room temperature before applying to ensure easy gunning. Use a minimum of a 1/4" bead along the entire surface to be sealed.

Priming

In most instances **TileSecure** 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. CHEM LINK recommends a primer be used for any application where prolonged immersion is anticipated.

Storage

Store original unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **TileSecure** will not freeze.

Shelf Life

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.

Clean Up

Wet sealant can be removed using a solvent such as alcohol. Cured product can be removed by abrading or scraping the substrate.

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. Most current SDS can be found at: www.chemlink.com

KEEP OUT OF REACH OF CHILDREN

Typical Physical Properties		
Gun Grade	Zero Slump	ASTM C679
Viscosity	1,300,000 cp +/- 300,000 cp	Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)
Density	12.0 +/- 0.2 lbs per gallon	ASTM D1475
Tack Free Time	40 +/- 20 min	45 +/- 5 % R.H.
Elongation at Break	445%	ASTM C679
Tensile Strength	145 psi	ASTM D412
Shear Strength	182 psi	ASTM D1002
Hardness Shore A	21	ASTM C661
Low Temp Flex	Pass -15°F (26°C) 1/4 inch mandrel	ASTM D522
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Limitations

- 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 prime bonding surfaces with asphalt 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.chemlink.com for the Safety Data Sheet, Technical Data Guides and full warranty for this product.

LIMITED WARRANTY: **CHEM LINK** warrants this product's performance, provided it is properly stored and applied within 1 year.

If this **CHEM LINK** material is proved to be defective, return remaining product and purchase receipt for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects or failure of this product. User must read and follow the direction of the current Technical Data Guide and SDS prior to product use. User determines suitability of product for intended use and assumes all risks. Manufacturer shall not be liable for damages (including consequential or incidental damages) in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; except for the above express warranty given by manufacturer, the product is sold with all faults. **CHEM LINK** SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. This warranty gives you specific legal rights, and you may also have other rights in the U.S. which vary from state to state. For warranty claim information, call 800-826-1681.

