

Technical Data Sheet

Polyether Technology

CSI Section No. 06191

CHEM LINK

Construction & Maintenance

Telephone: 800-826-1681

Fax: 269-679-4448

353 E. Lyons Street

Schoolcraft, MI 49087

www.chemlink.com

Last Revision: 04/20/18

Document No. DS1005

Product Description

WallSecure is a fast setting wall and block adhesive with excellent adhesion to drywall, wood, metal, concrete, landscape blocks, capstones, and other masonry substrates.

WallSecure is 100% solids and is ideal for filling gaps or forming bonds on irregular surfaces without shrinking.

WallSecure is a solvent free, non-flammable, moisture curing adhesive that complies with all OSHA, State, Local and Federal air quality regulations. This adhesive is non-carcinogenic and contains no substances listed on California Proposition 65.

Basic Uses*
Landscape Blocks & Capstones
Wood to Metal
Drywall to Wood Assemblies
EPS, XPS & ISO Foam Insulation Board
FRP (Fiberglass Reinforced Plastic)

**Test and evaluate to ensure adequate adhesion*

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
- Conforms to ASTM C557

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 20 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



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)
- Fast Setting
- High Adhesion
- Non-carcinogenic

Color

Tan

Packaging

- **10.1 oz (300ml) cartridges**
24 cartridges/carton, 45 cartons/pallet
- **28 oz (825ml) cartridges**
12 cartridges/carton, 40 cartons/pallet
- **2 and 5 gallon pails, or 50 gallon drums**
available by special order

Application Instructions

Bonding surfaces must be clean, dry, and free of dirt, debris, oil, rust, and contamination that would interfere with adhesion. Clean metal and painted surfaces with isopropyl alcohol or ammonia water. Abraded surfaces are acceptable but must be clean, sound, and free of manufacturing defects. DO NOT USE petroleum solvents such as mineral spirits or xylene.

Test all substrates for strength and compatibility. Do not use **WallSecure** to bond olefins such as polyethylene or polypropylene. Application temperature range is 32°F to 110°F (0°C to 43°C) with optimum application from 60°F to 100°F (15°C to 38°C). Low humidity or low temperature slows cure time. High humidity or high temperature accelerates cure time.

Pre fit all materials prior to application. Cut cartridge tip to desired size and puncture inner seal. Apply a minimum of 1/4 inch bead of **WallSecure** to approved substrate. Ensure bonded materials are tightly joined. For best results, set materials and secure within 10 minutes of application. Bonds can be set and fixtured with nails, screws or staples until adhesive sets.

WallSecure may also be applied from drums or pails using mechanical pumping equipment. Please contact technical services for assistance and specific pump drive applications at 800-826-1681.

Clean Up

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

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. **WallSecure** 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.

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.

Typical Properties		
Viscosity	200,000 cp +/- 50,000 cp	Brookfield RVF, TF Spindle, 4 RPM 73°F (23°C)
Density	11.4+/- 0.2 lbs per gallon	ASTM D1475
Elongation at Break	230%	ASTM D412
Tensile Strength	170 +/- 5 psi	ASTM D412
Shear Strength	190 +/- 10 psi	ASTM D1002
Tack Free Time	55 minutes	ASTM C679
Hardness Shore A	31	ASTM C661
Low Temp Flex	Pass -10°F (23°C) 1/4 inch mandrel	ASTM D816
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).
- Allow treated wood to "cure" for six months prior to application per APA guidelines.
- Does not bond to Kynar 500® PVDF coated metals.

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