

CHEM LINK ENGINEERED SYSTEMS INC.

Telephone: 800-826-1681
Fax: 269-679-4448
353 East Lyons
Schoolcraft, MI 49087
www.chemlinkinc.com

Last Revision: 07/12/11

Product Description

NovaLink is a moisture curing, polyether sealant designed for application in damp, dry or cold climates. It is solvent free and contains no isocyanates. The product will not shrink upon curing, will not discolor when exposed to UV light, and can not “outgas” or bubble on damp surfaces as urethane sealants often do. It has excellent adhesion to most construction materials and resilient “elastomeric” properties. The product is capable of joint movement in excess of 35% compression and extension. Because it cures in wet or dry climate conditions and at low temperatures (30°F / -1°C), it can be used effectively in many difficult construction site conditions.

Applicable Performance Standards

- ASTM C-920, Type S, Grade NS, Class 35, Uses NT, T, M, G, A, and 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 and Caulks
- Meets requirements of California Regs: CARB BAAQMD, and SCAQMD
- Conforms to California Proposition 65
- Conforms to USDA requirements for Non-food Contact

Green Standards:

- LEED for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) eligible 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content at 240°F: less than 19 grams/liter (including water), ASTM D2369, EPA Method 24

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 the product at room temperature before applying to ensure easy gunning and leveling. 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.

Advantages

- Solvent free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 20 minute skin over, will not pick up dirt
- No outgassing on damp surfaces
- Very good color stability, will not suntan
- Paintable within 24 hours

Limitations

- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations.
- 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.
- Do not apply at temperatures below 30°F (-1°C).
- Do not use on TPO without CHEM LINK TPO primer.

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. the product will not freeze.

Shelf Life

One year from date of manufacture when stored in normal environments. High temperature and high relative humidity may significantly reduce shelf life. Pails and special orders have a shelf life of three months.

Basic Uses
Expansion joints
Pre-cast concrete
Block and Masonry
Curtain Walls
Window and Door Frames
Siding
Parapets
Cove Joints
Transportation
Weather Sealing

Compatible Substrates*
Concrete
Block & Brick
Stone
Masonry
Aluminum and Galvanized Metal
Wood
Engineered Plastics, PVC
Glass
Fiberglass FRP
EPS Foam

***Test and evaluate to ensure adequate adhesion.**

Packaging

- 50 gallon, open head, pump drums
- Cartridges, 10.1 oz and 28 oz.
- 5 gallon pump pails
- Sausages available on request

Important Notice

User is responsible for determining whether this Chem Link Engineered Systems product is fit for a particular purpose and suitable for user's method of application. Except where prohibited by law, Chem Link Engineered Systems makes no warranties, expressed or implied, statutory or otherwise, including but not limited to, any implied condition or warranty of merchantability or fitness for a particular purpose.

Limitations of Remedies and Liability: If this Chem Link Engineered Systems product is proved to be defective, the exclusive remedy at Chem Link Engineered Systems' option shall be to refund the purchase price of or to replace the defective Chem Link Engineered Systems product. Chem Link Engineered Systems shall not otherwise be liable for loss of damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability.

Read and ensure that the most up-to-date MSDS and technical guidelines are being followed. Proper use and application are the responsibility of the applicator. Proper specification and application is the responsibility of the user. Prepare test assemblies to verify performance.

When in doubt call the Technical Hot Line at 800.826.1681

Chem Link Engineered Systems is a division of Chem Link Inc. P.O. Box 9, Schoolcraft, Michigan, 49087.

Typical Uncured Properties		
Gun Grade	Zero Slump	ASTM C 697
Viscosity	1,200,000+ cP 73°F (23°C)	Brookfield RVF, TF spindle, 4 RPM
Tack Free Time	45 minutes	ASTM C-679
Odor	Mild Mint Smell	

Typical Cured Properties		
Elongation at Break	450-500%	ASTM D-412
Hardness Shore A	25 +/- 3	ASTM C-661
Shear Strength	175 PSI	ASTM D-1002
Low Temperature Flex	Minus 10°F (-23°C) pass ¼ inch mandrel	ASTM D-816
Shrinkage	No measurable shrinkage after 14 days	
Service Temperature	Minus 40°F to 200°F (-40°C to 94°C) continuous service	
Shelf Life	Cartridges and sausages: 1 year Pails: 6 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 MSDS for First Aid information. Most current MSDS can be found at www.chemlinkinc.com. KEEP OUT OF REACH OF CHILDREN.

Clean-Up

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