

Chem Link Inc.

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

Last Revision: 07/09/08

Product Description

NovaLink SL is a self-leveling, moisture curing sealant, designed for application on horizontal joints in concrete construction such as driveways, sidewalks, plaza decks, balconies, stairwells, parking structures, roof decks and around fountains and swimming pools. **NovaLink SL** cures rapidly to a solid rubber seal that can accommodate 25% joint movement. Its unique polyether cure chemistry allows **NovaLink SL** to be installed in new concrete, or in damp weather conditions without “outgassing” or forming CO₂ bubbles, as urethane sealants often do. Its excellent self leveling properties and smooth finish allow **NovaLink SL** to be installed without tooling. The elimination of masking tape and tooling results in a significant reduction in labor. **NovaLink SL** is solvent free and will not shrink. Its excellent adhesion to clean masonry or concrete allows it to be installed without a primer in most joints smaller than 1/2 inch wide.

Applicable Performance Standards

- ASTM C-920, Type S, Grade S, Class 25, Uses T & M
- Federal Specification TT-S-00230-C Type I, Class A
- Corps of Engineers CRD-C-541, Type I, 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 and SCAQMD
- Conforms to 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 at 240° F: less than 15 grams/liter (including water), ASTM D2369, EPA Method 24



Advantages

- Bonds to concrete and aged asphalt
- Solvent free, 100% solids, will not shrink
- 30 minute skin over, resists dirt pick up
- No outgassing on damp surfaces
- Abrasion resistance, excellent for pedestrian and vehicle traffic

Colors

Stone	Gray
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Packaging

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



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, Chem Link 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)

Basic Uses
Expansion Joints
Masonry Pavers
Block and Masonry Repair
Patios
Walkways
Driveways
Decks - Concrete

Typical Uncured Properties	
Viscosity	40,000+ cPs Brookfield RVF, TF spindle, 4 RPM, 73° F
Tack free time	45 minutes, ASTM C-679
Odor	Mild mint smell

Typical Cured Properties		
Elongation at break	300 - 400%	ASTM D-412
Hardness Shore A	30 +/- 3	ASTM C-661
Shear strength	150 PSI	ASTM D-1002
Low temperature flex	Minus 10° F pass ¼ inch mandrel	ASTM D-816
Shrinkage	No measurable shrinkage after 14 days	
Service temperature	Minus 40° F to 200° F continuous service	
Shelf life	Cartridges: 1 year Pails: 3 months	

Compatible Substrates*
Concrete
Block and Brick
Stone
Masonry
Aged Asphalt
Wood
Aluminum and Galvanized Metal

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

Application Guidelines

Concrete

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

Asphalt

Allow asphalt to cure for a minimum of six months prior to application. Clean and remove all oil residue prior to using **NovaLink SL**. Remove any residual contamination by mechanical abrasion, sand blasting or power washing.

Metal

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.*

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

Wood

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 **NovaLink SL** 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. **NovaLink SL** 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.

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 **NovaLink SL** 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.

Clean-Up

Wet sealant can be removed using a solvent such as alcohol. Cured **NovaLink SL** 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 MSDS for First Aid information. Most current MSDS can be found at www.chemlinkinc.com.

KEEP OUT OF REACH OF CHILDREN.

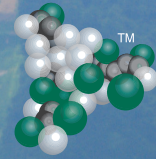
Limitations

- 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.
- Allow asphalt to cure a minimum of six months before applying **NovaLink SL**.
- Remove all coatings and sealers before application.



CHEMLINK

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Notes

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. Direct any questions to Technical Services at 800-826-1681 prior to starting the project.

IMPORTANT NOTICE

Except where prohibited by law, Chem Link 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. User is responsible for determining whether this Chem Link product is fit for a particular purpose and suitable for user's method of application.

LIMITATIONS OF REMEDIES AND LIABILITY

If this Chem Link product is proved to be defective, the exclusive remedy at Chem Link's option shall be to refund the purchase price of or to repair or replace the defective Chem Link product. Chem Link 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.



Contractor Hot Line

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