

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) |

CHEM LINK recommends an appropriate substrate primer to be used on high moving joints or dissimilar substrates which require increased adhesion properties.

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

| Typical Uncured Properties | | |
|----------------------------|--|---|
| Gun Grade | Self-Leveling | ASTM 679 |
| Viscosity | 30,000 cp +/- 15,000 cp | Brookfield RVF TC Spindle, 4 RPM, 73°F (23°C) |
| Density | 8.6 +/- 0.2 lbs per gallon | ASTM D1475 |
| Tack Free Time | 30 +/- 15 min | 45 +/- 5 % R.H. |
| Elongation at Break | 350% | ASTM D412 |
| Hardness Shore A | 15 | ASTM C661 |
| Tensile Strength | 120 psi | ASTM D412 |
| Shear Strength | 147 psi | ASTM D1002 |
| 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) | |

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

*Test and evaluate to ensure adequate adhesion.



NovaLink SL
Self-Leveling Elastomeric Sealant



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, 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 or sealing dynamic joints.

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

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.

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 SDS for first aid information.

See www.chemlink.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. 800-826-1681
- 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.
- Please contact customer service for application guidelines with temperatures below 32°F (0°C).
- Test and evaluate all paints before application. Polyurethane and oil based paints may dry slowly.

