Product Description
NovaLink 35 is a moisture curing, polyether, elastomeric joint sealant designed for application in damp, dry or cold climates. NovaLink 35 is solvent free and contains no isocyanates. NovaLink 35 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. NovaLink 35 has excellent adhesion to most construction materials and resilient elastomeric properties. NovaLink 35 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 32°F (0°C), NovaLink 35 can be used effectively in many difficult construction site conditions.

Applicable Performance Standards
- ASTM C920, Type S, Grade NS, Class 35, Uses NT, T, M, G, A & 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
- SWR Institute Validated (Sealant Waterproofing and Restoration)
- AAMA 802.3-08 Type II, AAMA 803.3-08 Type I, and AAMA 805.2-08 Group C

Regulatory Compliance
- Conforms to OTC Rule for Sealants
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- This product does not contain cancer causing chemicals listed in California Proposition 65.
- Conforms to USDA Requirements for Non-food Contact

Advantages
- Solvent free, 100% solids will not shrink
- 40 minute skin over
- No outgassing on damp surfaces
- Color stability, will not suntan
- Paintable within 24 hours (See limitations)
- +/- 35% joint movement

Colors
Please refer to applied color board or chemlink.com for a full list of colors. Special colors are available upon request.

Packaging
- 10.1 oz (300 ml)
  24 cartridges/carton, 45 cartons/pallet
- 20 oz (600 ml)
  12 sausages/carton, 40 cartons/pallet
- 2 and 5 gallon pails or 50 gallon drums available by special order

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)
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.

<table>
<thead>
<tr>
<th>Joint Width</th>
<th>Joint Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches (mm)</td>
<td>Inches (mm)</td>
</tr>
<tr>
<td>1/4 - 1/2 (6-13)</td>
<td>1/4 (6)</td>
</tr>
<tr>
<td>1/2 - 3/4 (13-19)</td>
<td>1/4 - 3/8 (6-10)</td>
</tr>
<tr>
<td>3/4 - 1 (19-25)</td>
<td>3/8 - 1/2 (10-13)</td>
</tr>
</tbody>
</table>

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

Typical Physical Properties

<table>
<thead>
<tr>
<th></th>
<th>Gun Grade</th>
<th>Zero Slump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>1,300,000 cp +/- 300,000 cp</td>
<td>Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)</td>
</tr>
<tr>
<td>Density</td>
<td>12.0 +/- 0.2 lbs per gallon</td>
<td>ASTM D1475</td>
</tr>
<tr>
<td>Tack Free Time</td>
<td>40 min 45 +/- 5 % R.H.</td>
<td></td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>445%</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Hardness Shore A</td>
<td>21</td>
<td>ASTM C661</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>182 psi</td>
<td>ASTM D1002</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>145 psi</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Low temp. flex</td>
<td>Pass -10°F (-23°C) 1/4 inch mandrel</td>
<td>ASTM D816</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>No visible shrinkage after 14 days</td>
<td></td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-40°F to 200°F (-40°C to 93°C)</td>
<td></td>
</tr>
</tbody>
</table>

Compatible Substrates*

- Concrete
- Block & Brick
- Stone
- Masonry
- Aluminum & Galvanized Metal
- Wood
- Engineered Plastics, PVC
- Glass
- Fiberglass FRP
- EPS Foam

*Test and evaluate to ensure adequate adhesion.

Basic Uses

- Expansion joints
- Pre-cast concrete
- Block and Masonry
- Window and door frames
- Siding
- Cove Joints
- Transportation
- Weather Sealing
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 35. Install an appropriate backer rod to avoid three-point bonding.

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 35 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.

Clean-Up
Wet sealant can be removed using a solvent such as alcohol. Cured NovaLink 35 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. NovaLink 35 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 35 at room temperature before applying to ensure easy gunning and tooling. 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.

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
• Horizontal applications will require tooling.
• 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 35.
• 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.
NOTES:

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.

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