Product Description

DuraLink 35 is a multi-purpose, resilient joint sealant that combines economy and high performance. It is ideal for a wide range of applications where joint movement requires compression and extension in excess of 35%. Because DuraLink 35 is a moisture-curing polyether sealant, it is effective in damp, dry or cold climates and is free of solvents and isocyanates. It will not shrink upon curing, bubble on damp surfaces as polyurethanes sealants often do, or discolor when exposed to UV light. DuraLink 35 has excellent elastomeric properties and adheres to most construction materials including difficult surfaces such as Kynar 500® PVDF and other anodized metals and coatings. DuraLink 35 is effective in many difficult construction site conditions: It can be applied to damp surfaces at temperatures as low as 32° F (0° C).

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)

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

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)

Advantages

- Bonds to Kynar 500® PVDF coated metal
- Solvent free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 40 minute skin over
- No outgassing on damp surfaces
- Available is a wide range of roofing & siding colors
- 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 roofing and siding colors. Special colors are available upon request.

Packaging

- 10.1 oz (300 ml) Euro / 4inch nozzle
  12 cartridges/carton, 105 cartons/pallet
  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
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>Gun Grade</th>
<th>Zero Slump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>1,100,000 cp +/- 300,000 cp</td>
</tr>
<tr>
<td>Density</td>
<td>12.9 +/- 0.2 lbs per gallon</td>
</tr>
<tr>
<td>Tack Free Time</td>
<td>40 min</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>380%</td>
</tr>
<tr>
<td>Peel Strength</td>
<td>25 pli</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>180 psi</td>
</tr>
<tr>
<td>Hardness Shore A</td>
<td>31</td>
</tr>
<tr>
<td>Lap Shear Strength</td>
<td>195 psi</td>
</tr>
<tr>
<td>Low temp. flex</td>
<td>Pass -10°F (-23°C) 1/4 inch mandrel</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>No visible shrinkage after 14 days</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-40°F to 200°F (-40°C to 93°C)</td>
</tr>
</tbody>
</table>

Compatible Substrates*

| Kynar 500® PVDF Coated Metal | Brick, Concrete and Stone |
| Galvanized Metal | EPDM and SBS Mod Bit |
| Aluminum | EPS Foam |
| Engineered Plastics, PVC | B.U.R (Built up Roofing) |
| Glass | Fiberglass FRP |
| James Hardie Board | Vinyl Siding |
| EIFS | Stucco |

Basic Uses

| Window and door frames | Siding |
| Parapets | Weather Sealing |
| Block and Masonry | Cove Joints |
| Expansion joints | Transportation |

*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, friable and loose concrete. Dry all visible and standing water prior to applying DuraLink 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 DuraLink 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 DuraLink 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. DuraLink 35 will not freeze.

Shelf Life
Cartridges have a twelve months shelf life 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 DuraLink 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
• 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.
• 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.
• Do not use on TPO without CHEM LINK TPO primer.
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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