

**Polyether Moisture Cure
Technology by
Chem Link**

Description:

NovaLink is a high performance interior or exterior joint sealant for use in both moving and non-moving joint applications. NovaLink provides a long lasting weather tight seal to a variety of building substrates.

Packaging:

10.1 oz (300 ml)
16/Field Pack, 48/pallet
24/carton, 60/pallet
2 gallon and 5 gallon
(special order)

Colors:



Color matching available

Solvent Content:

NovaLink contains no solvents or V.O.C.'s.

Proposition 65:

This product contains no Proposition 65 listed materials.



Features	Benefits
100% solids	No shrinkage
Single component	Easy to tool and gun; no mixing
Fast skinning	Resists dirt pickup on construction sites
No solvents	Safe to use indoors or in confined spaces; no odor
Unique polymer	Bonds to damp masonry
Non-slump	Applies vertically as well as overhead
Polyether	Bonds to a variety of substrates w/o priming
Gun grade	No special tools or mixing
Excellent weathering properties	Durable long lasting seal

Use and Application:

Roofing details
Expansion joints
Pre-cast concrete
Block and masonry
Curtain walls
Window and door frames
Siding
Parapets
Cove joints
Details
Weather sealing

Substrates:

Concrete EPDM
Block Foam
Brick Vinyl
Stone
Masonry
Wood
Metal
Aluminum
Galvanized metal
PVC
SBS Mod Bit



Technical Data:**Composition:**

NovaLink is a 100% solids, solvent-free formulated silyl-terminated polyether.

Compliances:

- *ASTM C-920, Type S, Grade NS, Class 25, use 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

Physical Properties:

Property	Results
Specific Gravity	1.60 (13.1-13.5 lbs./gal.) depending on color
Viscosity	1,000,000 cps Brookfield RVF, TF spindle, 4 RPM, 73° F
Odor	Mild ester smell

Test Data:

Elongation at break	300-400%	ASTM D-412
Hardness Shore A	30 +/- 3	ASTM C-661
Shear strength	150 PSI	ASTM D-1002
Tack free time	45 minutes	ASTM C-679
Slump (sag)	Zero slump	ASTM C-697
Shrinkage	No measurable shrinkage after 14 days	
Low temperature flex	Minus 10 degrees F pass ¼ inch mandrel	
Service temperature	Minus 40 degrees F to 200 degrees F continuous service	
Shelf life	one year	

Application:**Joint Preparation:**

Joints 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 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)

3 · **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). Refer to the Joint Prep Table (p.2) for guidelines. It is recommended that the joint shall be no less than ¼" wide by ¼" deep (6 mm x 6 mm). The maximum depth of sealant shall be ½" (13 mm). Control the depth of the sealant by using a backer rod that is 25% larger than the joint opening at standard temperature. Where the joint configuration will not permit a backer rod, it is recommended that an alternative bond breaker be used. Prevention of three-point adhesion is necessary through the use of a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal.

3 · **Metal:**

Prepare all metal in a manner to ensure maximum adhesion.* Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, coatings and oils with an appropriate solvent such as alcohol.

**It is recommended that Kynar-coated substrates be tested for adhesion prior to starting the project. Please contact Technical Services for specific application guidelines and recommendations.*

3 · **Concrete:**

Concrete and masonry substrates shall be fully cured and dry prior to the application of the sealant. Remove any contamination by mechanical abrasion, sand blasting or power washing.

3 · **Wood:**

Wood shall be clean, sound and dry prior to sealant application. Treated wood shall be allowed to weather for 6 months. Coatings and paint shall be removed (or tested for compatibility) to ensure a proper bond.

3 · **Priming:**

In most instances NovaLink will not require a primer. However, certain applications or substrates, such as Kynar-coated metal, may require a primer to ensure a long lasting bond and weatherproof seal. It is the user's responsibility to determine the need for a primer. Chem Link recommends that, wherever prolonged immersion is anticipated, a primer be used for best performance.

3 · **Application:**

NovaLink is a one-component, ready-to-use material that requires no mixing or preparation. It is recommended that a quality caulking gun be used to ensure ease of application. Apply when temperatures are above 40 degrees F. When all the joint preparation is complete, cut the plastic nozzle at a 45-degree angle to approximately the size of the joint opening. Begin gunning to fill the joint from the bottom to the surface, ensuring there are no voids or air pockets. Dry tooling is recommended to create a strong mechanical bond against the joint faces.

3 · Do not use NovaLink in temperatures below 40 degrees F.

3 · NovaLink can be painted after 24 hours.

3 · NovaLink can be used in vertical or overhead working conditions.

3 · **Clean-Up:**

Wet sealant can be removed using a solvent such as alcohol, or soap and water. Cured NovaLink can be removed by abrading or scraping the substrate.

3 · **Curing:**

NovaLink typically skins over within 15-45 minutes and cures through in 3 to 7 days depending upon temperature, humidity and thickness. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time.

3 · **Caution:**

Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician.

KEEP OUT OF REACH OF CHILDREN.

3 · **Shelf Life:**

One year from date of manufacture when stored in normal environments.

3 · **Storage:**

Store in original unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunlight. Elevated temperatures will reduce shelf life.

Limitations and Guidelines:

In areas of prolonged chemical exposure contact Technical Services for recommendations.
Do not allow uncured NovaLink to come into contact with uncured silicone sealants.
Allow treated wood to "cure" for six months prior to application per APA guidelines.
Do not use in areas subject to continuous immersion without a primer.
Horizontal applications will require tooling.
Do not store in elevated temperatures.
NovaLink will not freeze during storage. To ensure easy gunning, bring to room temperature before application.

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, EXPRESS 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.



Advanced Architectural Products

Schoolcraft, MI 49087

800-826-1681 www.chemlinkinc.com Fax 269-679-4448



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