

Technical Data Sheet

Polyether Technology

CSI Section No. 07 14 00

CHEM LINK

Construction & Maintenance

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Product Description

NovaLink™ FP is a high quality, moisture curing elastomeric waterproofing and sealant designed to fill seal and level grout lines, voids, seams and surface damage on construction materials prior to application of liquid waterproofing. NovaLink FP may also be used for repairing roof leaks, asphalt shingles, roof valleys and seams, chimney flashings, and emergency roof repairs.

Emergency Repair

Remove all standing water and clean substrate. Temperatures should be above 35°F (2°C) and rising. Cut nozzle and puncture inner seal to apply sufficient material for the repair. Firmly trowel material extending the patch a minimum of 4" past the repair area. This application should be considered a temporary repair until weather conditions allow for a more permanent repair can be made.

Regulatory Compliance

- Conforms to OTC Rule for Sealants
- Meets requirements of California Regs: CARB 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 for almost all applications
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 42 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



Advantages

- Solvent free, 100% solids will not shrink
- 60 minute skin over
- No outgassing on damp surfaces
- Bonds to damp concrete

United States Patent Number 7,317,051

Packaging

- 10.1 oz Cartridges
24 cartridges/carton 45 cartons/pallet

Color

- Black



American Architectural Manufacturers Association



NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER



Basic Uses
Above grade waterproofing
Below grade waterproofing
Roof Repairs
Sealing parapets
Lining gutters and valleys
Planter boxes
Lining HVAC condensation pans

Typical Physical Properties		
Grade	Gun Grade Zero Slump	
Viscosity	1,000,000 cp +/- 200,000 cp	Brookfield RVF, TF Spindle, 4 RPM 73°F (23°C)
Density	12.9 lbs per gallon	ASTM D1475
Hardness Shore A	30	D2240
Elongation at break	350%	ASTM D412
Shear Strength	140 psi	ASTM D1002
Tensile Strength	125 psi	ASTM D412
Low Temp Flex	Pass -10°F (-23°C) 1/4 inch mandrel	ASTM D816
Tack Free Time	60 min +/- 15	
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Compatible Substrates*	
Concrete	Steel
Block and Brick	Aluminum
Stone	Galvanized Metal
Masonry	Isoboard
Plywood and OSB	Untreated Wood
EPS (Expanded Polystyrene)	FRP (Fiber Reinforced Plastic)

**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 **NovaLink FP**.

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.

Wood

Wood should be clean, sound and dry prior to 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 FP** 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.

DO NOT USE AN ASPHALT PRIMER.

**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.*

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 FP** will not freeze.

Clean-Up

Wet sealant can be removed using a solvent such as alcohol. Cured **NovaLink FP** can be removed by abrading or scraping the substrate.

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.

Application Instructions:

Do not use at temperatures below 35 degrees F (2 degrees C.) Maintain **NovaLink FP** materials above room temperature before applying.

Remove all dirt, oil, loose paint, water, frost and other contamination that can interfere with bonding. Form release residue and lime should be power washed and allowed to dry.

NovaLink FP may be applied to green concrete without out-gassing. Although concrete cure times may vary with temperature, for optimum bonding, concrete cure time should be three to seven days. Application surfaces must be dry the touch and free of obvious moisture.

NovaLink FP may be used to repair and level surface defects, grout lines, joints and penetrations in waterproofing applications. In transition joints, or where damage is excessive, reinforce with Tietex T-326 fabric. In right angle joints use **NovaLink FP** to form a one inch cant.

Rate of spread per gallon table:

1 mil	= 1620 square ft. / gallon
30 mils	= 54 square ft. / gallon
60 mils	= 27 square ft. / gallon
120 mils	= 13 square ft. / gallon
180 mils	= 9 square / gallon

Limitations

- For light colored product, UV light will prevent discoloration
- 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.
- Staining may occur on limestone and porous substrates. Test and evaluate before application.
- Do not store in elevated temperatures.
- Remove all coatings and sealers before application.
- Please contact customer service for application guidelines with temperatures below 35°F (2°C).
- Do not use on surfaces to be painted.
- Do not use in tub and tile applications.

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.



NOTES:



Contractor Hot Line

800-826-1681

www.chemlink.com



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.

LIMITED WARRANTY: **CHEM LINK** warrants this product's performance, provided it is properly stored and applied within 1 year. If this **CHEM LINK** material is proved to be defective, return remaining product and purchase receipt for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects or failure of this product. User must read and follow the direction of the current Technical Data Guide and SDS prior to product use. User determines suitability of product for intended use and assumes all risks. Manufacturer shall not be liable for damages (including consequential or incidental damages) in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; except for the above express warranty given by manufacturer, the product is sold with all faults. **CHEM LINK** SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. This warranty gives you specific legal rights, and you may also have other rights in the U.S. which vary from state to state. For warranty claim information, call 800-826-1681.