



Technical Data Guide

Polyether Technology

CSI Section No. 07 14 00

CHEM LINK Brands

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Product Description

BARR™ is a cold applied, single component, waterproofing membrane that cures by exposure to atmospheric and substrate moisture to form a continuous, tough, reinforced elastic seal. **BARR** is solvent free and compliant with all known environmental and OSHA requirements. It can be used in confined spaces without respiratory protection. **BARR** cures to an elastomeric rubber that is resistant to thermal shock. It will not crack in extreme cold or slump due to softening and high temperatures like conventional asphalt or coal tar based coatings often will.

Recommended Uses

- In above grade applications, use **BARR** to seal parapets, plaza decks, green roof systems and waterproof planter boxes. **BARR** is also a versatile general roofing repair product that can even be used to line and waterproof gutters.

- In below grade applications, **BARR** is ideal as a positive-side waterproofing for sealing foundations. It can also be used for between slab waterproofing, equipment wells, and other underground construction.

Regulatory Compliance

- Conforms to OTC Rule for Sealants
- Meets requirements of California Regs: CARB and SCAQMD
- Conforms to California Proposition 65
- Conforms to USDA Requirements for Non-food Contact

Green Standards:

- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 26 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



Advantages

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

Color
Black

Packaging

- 5 gallon pails
36 pails/pallet
- Half gallon pouches, 2 gallon pails & 50 gallon drums available by special order

Typical Physical Properties ASTM C836		
Grade	Squeegee Grade	
Viscosity	275,000 cp +/- 50,000 cp	Brookfield RVF TE Spindle, 4 RPM, 73°F (23°C)
Density	10.9 +/- 0.2 lbs per gallon	ASTM D1475
Tack Free Time	60 +/- 20 min	45 +/- 5 % R.H.
Solid Content by Weight	98%	ASTM C1250
Tensile Strength	102 psi	ASTM D2370
Elongation	424%	ASTM D412
Hardness Shore OO	57	ASTM D2240
Average Permeability	0.1 perm inches	ASTM E96
(Vertical) Film Thickness	PASS	ASTM C1375
Adhesion- in-Peel	PASS	ASTM C794
Low temp Crack Bridging	PASS	ASTM C1305
Extensibility Heat Aging	PASS	ASTM C1522
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Basic Uses
Above grade waterproofing
Below grade waterproofing
Between slab waterproofing
Green Roofs
Sealing parapets
Lining gutters and valleys
Planter boxes
Lining HVAC condensation pans

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

*Test and evaluate to ensure adequate adhesion.

D.O.T. Classification: Sealant, Caulk, Not Regulated

HMIS Health 1
 Flammability 0
 Reactivity 0
 Protection X

United States Patent Number 7,317,051



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 **BARR**.

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 **BARR** 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.

DO NOT USE OVER 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. **BARR** will not freeze.

Shelf Life

Half gallon pouches have twelve months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. Pails have a shelf life of six months. High temperature and high relative humidity may significantly reduce shelf life.

Clean-Up

Wet sealant can be removed using a solvent such as alcohol. Cured **BARR** 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.

Application Instructions:

Do not use at temperatures below 35 degrees F (2 degrees C.) Maintain **BARR** 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.

BARR 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.

Repair and level all surface defects, grout lines, joints and penetrations with **BARR FP**. In transition joints, or where damage is excessive, reinforce with **RE-BARR** fabric. In right angle joints use **BARR FP** to form a one inch cant.

Always apply two coats of **BARR** to eliminate "pin holes". Vertical applications require a minimum total thickness of 60 mils in two 30 mil passes. Horizontal applications require a minimum total thickness of 120 mils in two 60 mil passes. Architectural specifications may exceed this thickness. **BARR** products will not shrink so dry film thickness will equal wet film thickness. For best results, second coat may be applied as soon as the first coat is firm. Second coat should be applied within 72 hours of the first coat.

If reinforcement fabric is specified, apply **RE-BARR** as soon as possible between first and second coats. Consult architectural specifications for application rate and film thickness. Film thickness must be verified with a wet film thickness gauge.

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

- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations.
- Do not store in elevated temperatures.
- Remove all coatings and sealers before application.
- Do not apply at temperatures below 35°F (2°C).
- Do not use on surfaces to be painted.
- **BARR** is not to be exposed long term to UV light cover with a cap sheet or granules.



NOTES:

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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.