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
• Half gallon pouches, 2 gallon pails & 50 gallon drums available by special order

Distributed by: BEST MATERIALS ®
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## 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

## Typical Physical Properties ASTM C836

<table>
<thead>
<tr>
<th>Property</th>
<th>Grade</th>
<th>Squeegee Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>275,000 cp +/- 50,000 cp</td>
<td>Brookfield RVF TE Spindle, 4 RPM, 73°F (23°C)</td>
</tr>
<tr>
<td>Density</td>
<td>10.9 +/- 0.2 lbs per gallon</td>
<td>ASTM D1475</td>
</tr>
<tr>
<td>Tack Free Time</td>
<td>60 +/- 20 min</td>
<td>45 +/- 5 % R.H.</td>
</tr>
<tr>
<td>Solid Content by Weight</td>
<td>98%</td>
<td>ASTM C1250</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>102 psi</td>
<td>ASTM D2370</td>
</tr>
<tr>
<td>Elongation</td>
<td>424%</td>
<td>ASTM D412</td>
</tr>
<tr>
<td>Hardness Shore OO</td>
<td>57</td>
<td>ASTM D2240</td>
</tr>
<tr>
<td>Average Permeability</td>
<td>0.1 perm inches</td>
<td>ASTM E96</td>
</tr>
<tr>
<td>(Vertical) Film Thickness</td>
<td>PASS</td>
<td>ASTM C1375</td>
</tr>
<tr>
<td>Adhesion-in-Peel</td>
<td>PASS</td>
<td>ASTM C794</td>
</tr>
<tr>
<td>Low temp Crack Bridging</td>
<td>PASS</td>
<td>ASTM C1305</td>
</tr>
<tr>
<td>Extensibility Heat Aging</td>
<td>PASS</td>
<td>ASTM C1522</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
- 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**

![Image of a person working on a concrete surface with a Barr product container]
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:

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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