**PRODUCT DESCRIPTION**

BarrierGuard® is designed for waterproofing all types of masonry surfaces such as foundation walls, concrete panels, exterior basement walls, retaining walls and moisture-retaining structures such as cisterns, and concrete shrubbery boxes. Mixed with water and Portland cement, and fully reinforced with PremiumCoat® Fabric, it forms a hard-wearing, flexible compound. It is also resistant to standing water and ideal for subterranean waterproofing.

**APPROVALS & CERTIFICATIONS**

BarrierGuard® is certified by NSF to NSF/ANSI Standard #61: Drinking Water System Components.

**WARRANTY**

See applicable warranties and guarantees for complete coverage and restrictions.

**PACKAGING & SHELF LIFE**

2 gallon (7.6 liter) bucket  
5 gallon (19 liter) pail  
Shelf life 18 months if unopened containers stored between 40°F and 70°F.

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**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>BARRIERGUARD® WATERPROOFING</th>
<th>BARRIERGUARD® LIQUID – TYPICAL PROPERTIES</th>
<th>BARRIERGUARD® MIX – TYPICAL PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tensile Strength</strong></td>
<td>775 ± 50 psi [ASTM C190]</td>
<td>Weight per Gallon</td>
</tr>
<tr>
<td><strong>Compressive Strength</strong></td>
<td>5,700 ± 300 psi [ASTM C190]</td>
<td>8.71 lbs/gal (1.05 g/mL) [ASTM D1475]</td>
</tr>
<tr>
<td><strong>Flexural Strength</strong></td>
<td>1,835 ± 100 psi [ASTM C348]</td>
<td>Solids by Weight</td>
</tr>
<tr>
<td><strong>Shear Bond Adhesion</strong></td>
<td>550 ± 50 psi [ASTM C130]</td>
<td>41.9% ± 2 [ASTM D1644]</td>
</tr>
<tr>
<td><strong>Abrasion Resistance</strong></td>
<td>&lt; 36 mg loss [ASTM D4660]</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td><strong>Impact Strength</strong></td>
<td>&gt; 80 inch-pounds [ASTM G14]</td>
<td>39.2% ± 2 [ASTM D2607]</td>
</tr>
<tr>
<td><strong>Hardness</strong></td>
<td>&gt; 16 KHN [ASTM D1474]</td>
<td>Weight per Gallon</td>
</tr>
<tr>
<td><strong>Permeance</strong></td>
<td>Class III vapor retarder</td>
<td>18.0 lbs/gal [ASTM D1475]</td>
</tr>
<tr>
<td><strong>Solids by Volume</strong></td>
<td>&gt; 63.3% ± 2 [ASTM D5201]</td>
<td>Solids by Weight</td>
</tr>
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</tr>
</tbody>
</table>

**ADVANTAGES & BENEFITS**

- Protects masonry surfaces from water damage
- Will not peel off like stick-on adhesives
- Wear-resistant and hard to damage
- Resists ponding water
- Extremely UV resistant
- Resists acid rain and chemical pollutants to protect from chemical spills and fallout damage
- Meets VOC emissions and regulations to eliminate facility downtime during installation.
- Non-toxic formulation is safe to apply
- Easy application and cleanup
- No special training or equipment required to install

**APPLICATION INSTRUCTIONS**

**SUBSTRATE PREPARATION:** Remove any loose or flaking particles, scale, dirt, or rust. Masonry and concrete surfaces should be dampened first to prevent moisture loss from the slurry.

**MIXING:** A slurry is prepared by mixing one part HydroStop™ Waterproofing, one part cool water, and three parts Portland cement (Type I). First, add HydroStop™ Waterproofing and cool water to a clean 5-gallon (19 liter) pail and mix with a slow-speed mechanical mixer for about 1 minute. Then, slowly add the Portland Cement (Type I) until a fully homogenous and lump-free slurry is produced. When ambient temperature is above 50°F (26°C), add ice to cool down the slurry mix in order to help prevent premature gelling.

**APPLICATION:** Apply slurry mix to the dampened area in order to help prevent premature gelling.

**BarrierGuard® Waterproofing slurry mix. Allow 72 hours of curing time before backfilling area with soil or filling area with water. Apply when temperatures are above 50°F (10°C) and rising with no rain in the forecast or freezing temperatures for 24 hours. Apply product with a GAF roof brush when used with fabric, priming with a roller (typically minimum 3/4" [19 mm] nap) or trowel as needed for crack filling or leveling. One gallon (3.8 L) of BarrierGuard® Waterproofing will make approximately four gallons (15.1 L) of slurry, which will cover approximately 50 ft² (4.6 m²) of the full BarrierGuard® Waterproofing System reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120 – 200 ft² (11.1 – 18.9 m²) depending on condition of substrate.

**Recommended uses:**
- Waterproofing foundation walls
- Waterproofing basements
- Lining water-retaining structures
- Waterproofing masonry shrubbery boxes
- Priming structural and lightweight concrete for roofing
- Priming and texturing walkways and masonry decks

**PRODUCT DATA SHEET**

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.
**DRYING/CURING INFORMATION**

The exact drying time for the BarrierGuard® System will vary with environmental conditions. Typically the BarrierGuard® System will dry in 1 hour at 70°F and 70% humidity. A full cure is generally obtained in 72 hours.

Potable water Applications: refer to the NSF International website (www.nsf.org) for application parameters for potable water end uses. For more information, contact the GAF Technical Services Department.

**SAFETY & HANDLING**

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).

**CLEAN UP**

Thoroughly rinse application equipment with clean water.

See applicable warranties and guarantees for complete coverage and restrictions.