BarrierGuard® Waterproofing
Product Data Sheet

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 subterranean 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.

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>Tensile Strength</td>
<td>775 ± 50 psi (ASTM C190)</td>
<td>Weight per Gallon</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>5700 ± 300 psi (ASTM C190)</td>
<td>Solids by Weight</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>1835 ± 100 psi (ASTM C346)</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td>Shear Bond Adhesion</td>
<td>550 ± 50 psi (ASTM C190)</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>&lt; 36 mg loss (ASTM D4660)</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td>Impact Strength</td>
<td>&gt; 80 inch-pounds (ASTM D1414)</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td>Hardness</td>
<td>&gt; 16 KHN (ASTM D1474)</td>
<td>Solids by Volume</td>
</tr>
<tr>
<td>Permeance</td>
<td>Class III vapor retarder</td>
<td>Solids by Volume</td>
</tr>
</tbody>
</table>

Values represented are typical but should not be construed as specifications.

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® BarrierGuard® Waterproofing, one part cool water, and three parts Portland cement (Type I). First, add BarrierGuard® 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 lump-free slurry is produced. When ambient temperature is above 80°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 and immediately embed the HydroStop® PremiumCoat® Fabric into the wet slurry. Fabric should lap by a minimum of four inches. Remove any air pockets or creases with a brush. Before the first layer dries, fully saturate the fabric with a second coat of slurry and allow to dry. Once dry, apply a third and final coat of HydroStop® 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.

COVERAGES: One gallon of BarrierGuard® will make approximately four gallons of slurry. The slurry will cover approximately 50 ft² (4.6 m²) of full BarrierGuard® System that is reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120-200 ft² 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

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 and 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.