### Sikagard® 552W Primer

**Adhesion Promoter, Surface Conditioner for Concrete Surfaces**

**Description**

Sikagard 552W Primer is a one component, penetrating, adhesion promoter for priming concrete and other masonry surfaces prior to the application of acrylic emulsion coatings. Sikagard Primers will reduce the consumption rate of the subsequent coat by providing a uniformly absorptive surface.

**Where to Use**

Primer coat for concrete and mineral substrates or those showing signs of higher than average porosity when over-coating existing coatings which are firmly bonded.

**Advantages**

- Resistant to water vapor diffusion.
- Environmentally friendly.
- Water-based.
- Excellent wetting properties.
- Reduces consumption of subsequent coat.

**Coverage**

Theoretical: 320 sq. ft./gal.

All coverages dependent on porosity of substrate. Allowances must be made for surface profile, unavoidable variations in applied film thickness, loss and waste. In addition, two coats may be required on very absorbent surfaces.

**Packaging**

552W: 5 gal. re-closable metal pail.

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### Typical Data

*Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shelf Life</strong></td>
<td>2 years in original, unopened container.</td>
</tr>
<tr>
<td><strong>Storage Conditions</strong></td>
<td>Store dry at 40°-75°F (4°-24°C). Condition material to 65°-75°F (18°-24°C) before using.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Milky-white, opaque.</td>
</tr>
<tr>
<td><strong>Solids Content</strong></td>
<td>20% by volume.</td>
</tr>
<tr>
<td><strong>Application Temperatures</strong></td>
<td>45°-90°F (7°-32°C)</td>
</tr>
<tr>
<td><strong>Waiting Times</strong></td>
<td></td>
</tr>
<tr>
<td>Uncoated masonry of concrete:</td>
<td></td>
</tr>
<tr>
<td>45°F (8°C)</td>
<td>Resistant to Rain: 2 hr. Prior to Over-coating: 12 hr.</td>
</tr>
<tr>
<td>68°F (20°C)</td>
<td>20 min. 5 hr. 2.5 hr.</td>
</tr>
<tr>
<td>86°F (30°C)</td>
<td></td>
</tr>
<tr>
<td>Previously Coated Substrates:</td>
<td></td>
</tr>
<tr>
<td>45°F (8°C)</td>
<td>Resistant to Rain: 4 hr. Prior to Over-coating: 24 hr.</td>
</tr>
<tr>
<td>68°F (20°C)</td>
<td>4 hr. 24 hr.</td>
</tr>
<tr>
<td>86°F (30°C)</td>
<td>30 min. 6 hr.</td>
</tr>
</tbody>
</table>
### How to Use

#### Surface Preparation

All surfaces to be primed must be dry, clean, sound, and free of curing compound residues and other bond inhibiting material.

**Preparation Work:** Concrete and masonry surfaces - blast clean, high pressure water blast or use other approved mechanical means to achieve an slightly open, roughened substrate.

#### Mixing

Stir thoroughly using a slow speed (400-600 rpm) drill and paddle prior to application.

#### Application

Any areas of glass should be protected by masking.

Fill all visible hairline cracks and surface defects with appropriate Sika repair mortar, leveling mortar or Sikagard surface fill prior to applying primers. Sikagard Primers can be applied by brush, roller or spray equipment. Brushing provides more even and pore free coats with better penetration. Allow a minimum of 4 hours prior to re-coating. At lower temperature, the waiting time will be prolonged.

#### Limitations

- When over-coating existing coatings, **compatibility and adhesion testing is essential**.
- Ensure primer is thoroughly dry before over-coating to prevent formation of bubbles and blisters, particularly in warmer weather.
- Ensure that the primer penetrates completely without forming a glaze on the surface.
- Extremely absorbent substrate may require more than one coat of primer.
- Sikagard primers should not be stored in direct sunlight for prolonged periods of time.

#### Caution

**Warning**

Avoid breathing vapors. Use only with adequate ventilation. May cause respiratory irritation and headaches.

**Irritant**

Skin, eye, and respiratory irritant; avoid contact. Use of safety goggles and chemical resistant gloves is recommended. Remove contaminated clothing.

**First Aid**

In case of eye contact, flush with water for 15 minutes, contact physician immediately. For skin contact, wash skin with soap water. For respiratory problems, remove person to fresh air. Wash clothing before re-use.

**Spill Clean Up**

Confine spill, ventilate closed areas, and collect with absorbent material. Dispose of in accordance with current, applicable, local, state, and federal regulations. Uncured material can be removed water. Cured material can only be removed mechanically.