



**SHERWIN  
WILLIAMS.**

# CONCRETE & DRIVEWAY SEALER

## B44V2001

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>PERFORMANCE TESTS</u>																																				
<p><b>Concrete &amp; Driveway Sealer</b> is a clear, oligomeric siloxane water repellent designed to weatherproof old and new concrete and driveways. This provides a long lasting, breathable barrier which exhibits superior resistance to water, airborne dust and dirt, road salt, acid rain, efflorescence, alkali, freeze/thaw damage, spalling and household cleaners.</p> <p><b>Recommended Uses:</b> Most masonry surfaces including:</p> <ul style="list-style-type: none"> <li>• Driveways</li> <li>• Sidewalks</li> <li>• Concrete &amp; brick patios</li> <li>• Bridges and Bridge Structures</li> <li>• Parking Garages</li> <li>• Concrete walls</li> <li>• Concrete block</li> <li>• Brick (clay or cement)</li> </ul> <p><b>Concrete &amp; Driveway Sealer</b> is not recommended for topcoating over film-forming paints, stains, or sealers.</p> <p>Meets or exceeds the Federal Specification SS-W-110C</p> <p><b><u>Do not use on asphalt surfaces.</u></b> <b><u>Not for immersion service.</u></b></p>	<p><b>Color:</b> Clear</p> <p><b>Coverage</b> <b>sq ft/gal</b></p> <table border="0"> <tr> <td>Smooth precast concrete</td> <td>125 - 175</td> </tr> <tr> <td>Porous concrete</td> <td>100 - 150</td> </tr> <tr> <td>Concrete Block</td> <td>75 - 125</td> </tr> <tr> <td>Brick (Clay)</td> <td>100 - 150</td> </tr> <tr> <td>Bridge decks</td> <td>100 - 150</td> </tr> <tr> <td>Steel trowelled concrete</td> <td>150 - 200</td> </tr> </table> <p>Coverage will vary depending on the porosity and texture of the substrate</p> <p><b>Drying Time, @ 77°F, 50% RH:</b> temperature and humidity dependent</p> <table border="0"> <tr> <td>Touch:</td> <td>3 hours</td> </tr> <tr> <td>Recoat:</td> <td>24 hours</td> </tr> <tr> <td>Foot traffic</td> <td>24 hours</td> </tr> <tr> <td>Light Vehicle traffic</td> <td>24 hours</td> </tr> <tr> <td>Heavy Traffic / Parking</td> <td>48 hours</td> </tr> </table> <p><b>Finish:</b> none</p> <p><b>Flash Point, PMCC:</b> 90°F</p> <p><b>Vehicle Type:</b> Oligomeric Siloxane <b>B44W2001</b></p> <p><b>VOC (less exempt solvents):</b> 732g/L; 6.11 lb/gal</p> <p><b>Volume Solids:</b> 6 ± 2%</p> <p><b>Weight Solids:</b> 8 ± 2%</p> <p><b>Weight per Gallon:</b> 6.7 lb</p> <p>Not OTC Compliant</p>	Smooth precast concrete	125 - 175	Porous concrete	100 - 150	Concrete Block	75 - 125	Brick (Clay)	100 - 150	Bridge decks	100 - 150	Steel trowelled concrete	150 - 200	Touch:	3 hours	Recoat:	24 hours	Foot traffic	24 hours	Light Vehicle traffic	24 hours	Heavy Traffic / Parking	48 hours	<p><b>Reduction in Water Absorption:</b> Minimum Required ..... 75% B44V2001 ..... 79.6% Reduction in Water Absorption is an indication of effectiveness.</p> <p><b>Water Vapor Transmission</b> Minimum Required: ..... 100% B44V2001 ..... 115.8%</p> <p><b>Reduction in Chloride Ion Intrusion</b> Minimum Required: ..... 75% B44V2001: ..... 86.0</p> <p><b>Series IV Test Southern Climate</b> B44V2001: ..... 86.0</p> <p><b>Scaling resistance</b> ASTM C672 50 Cycles Minimum Required: ..... NA B44V2001: ..... 2</p> <p><b>Acid &amp; Alkali Resistance Tests:</b> Each was allowed to react for 24 hours under a watch glass, washed with water, allowed to recover for 30 minutes then observed.</p> <p><b>Alkali:</b></p> <table border="0"> <tr> <td>2% NaOH .....</td> <td>No effect</td> </tr> <tr> <td>5% Tide .....</td> <td>No effect</td> </tr> <tr> <td>2% Ivory flakes .....</td> <td>No effect</td> </tr> </table> <p><b>Acid:</b></p> <table border="0"> <tr> <td>5% Citric Acid .....</td> <td>No effect</td> </tr> <tr> <td>100% Milk .....</td> <td>No effect</td> </tr> <tr> <td>5% HCL .....</td> <td>No effect</td> </tr> <tr> <td>5% Phosphoric Acid .....</td> <td>No effect</td> </tr> </table>	2% NaOH .....	No effect	5% Tide .....	No effect	2% Ivory flakes .....	No effect	5% Citric Acid .....	No effect	100% Milk .....	No effect	5% HCL .....	No effect	5% Phosphoric Acid .....	No effect
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### SURFACE PREPARATION

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

**Testing:** Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility prior to full scale application. To determine if the surface is sealed with another coating or a curing compound, sprinkle water onto the surface. If the water is absorbed and the surface becomes darker, the surface is not sealed. If the water beads up, there is a coating or curing compound that must be removed to allow the Concrete & Driveway Sealer to penetrate. It is crucial to ensure proper penetration of the coating.

All surfaces must be clean, dry and free of grease, oil, paint, sealers, etc. To clean, use H&C® Degreaser or ProClean Professional™ PrepWash Concentrated Cleaner, following label directions, rinse thoroughly and allow the surface to dry.

Remove mildew before coating by washing with ProClean Professional™ Mildew Eliminator, following label directions.

**Bare Concrete:**

New concrete and mortar must be cured.

For very smooth surfaces (troweled surfaces with no porosity) use H&C Concrete Etching Solution at full strength to open up the surface to allow Concrete & Driveway Sealer to penetrate into the surface. For smooth-troweled concrete with some porosity, 1 part **H&C Concrete Etching Solution** to two parts water should be used.

Only etch horizontal concrete, follow label directions carefully, including neutralization.

Prepared concrete should have a pH between 7 and 10.

Because water will collect in low spots and may deposit etching and cleaning residue, it is recommended that, if needed, the surface be vacuumed to remove any remaining water.

### SURFACE PREPARATION

**Repair:**

For the best waterproofing protection on vertical concrete and masonry, patch and repair cracks and crevices where water can enter. Use ConSeal Sealants and Patches on exterior vertical surfaces following label directions. On floor surfaces, use appropriate patching material. Patching compounds will generally be visible through clear coatings.

If surface is damp or wet from weather or cleaning, allow the surface to dry thoroughly before applying any coating.

- Two coats are required, surface texture will determine actual coverage.
- Stir before and occasionally during application.
- Air and surface temperature should be between 50° and 90°F.
- Do not reduce.
- Protect against rain for 4 to 5 hours to allow the water repellent to become effective.

**Application:** Apply by low pressure airless sprayer, pump-up sprayer, brush, or roller. The surface texture will determine the best method of application.

When working with low spraying pressures, the Sealer is applied in the form of droplets rather than a mist.

Vertical surfaces - saturate or "flood", allowing the material to run down 8 to 10 inches. Work from the bottom up.

Horizontal surfaces - coat with enough material to allow it to stand for a few seconds before penetrating.

### CLEANUP INFORMATION

Clean spills and spatters immediately with Xylene or Mineral Spirits. Clean hands and tools immediately after use with Xylene or Mineral Spirits or a waterless hand cleaner. Follow manufacturer's safety recommendations when using any solvent.

### CAUTIONS

Not for use on marble, limestone, or other forms of calcium carbonate.

Do not use on asphalt surfaces.

Not for immersion service

Do not use below grade.

Not for use on surfaces continuously wet or underwater.

Do not tint.

**LABEL CAUTIONS**

CAUTION contents are COMBUSTIBLE. Keep away from heat and open flame. Contains ALIPHATIC HYDROCARBONS. VAPOR HARMFUL. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed do not induce vomiting. Get medical attention immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 12/15/2004 B44V02001 01 00

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.