PS107 Sodium Silicate Densifying WB Penetrating Sealer
Zero VOC, Water Based Concrete Floor Densifier & Hardener

Product Specifications Sheet

Product Description
PS107 is an economical, water based 100% active sodium silicate solution that penetrates into a cementitious surface to increase density, hardness, and strength of the concrete while retaining its breathability. These properties restrict moisture absorption, reduce dusting, protect against efflorescence, and lower the maintenance of the surface. PS107 penetrates deeply into the surface filling the pores and capillaries of the concrete and reacting with the free lime and calcium carbonate therefore yielding a protected, hardened, and dense floor. Sealer is VOC compliant, non-flammable and has odorless formula for safe indoor use. Sealer provides excellent non-slip, high traction properties, resulting in a safer floor surface. Yields UV stable surface with improved resistance to abrasion and scuffing. PS107 has a clear appearance. Upon proper allocation, the substrate will have little, or no, noticeable change in appearance when dry. However, a polished appearance can be imparted to machine troweled or burnished surfaces by applying with scrubber or polisher. Color tints are available in a selection of colors.

Recommended Uses
PS107 was originally developed for commercial and industrial applications and is widely used throughout North America to this day for those applications. Concrete Sealers USA is now also making this professional grade sealer available to the residential market so small contractors, applicators, and do-it-yourselfers can enjoy the same superior benefits that architects, engineers, and large contractors have enjoyed for years. PS107 is recommended for densifying, hardening, and increasing surface strength for most concrete and masonry surfaces where long term resistance to dusting, abrasion, efflorescence, and moisture absorption is important. It is ideal for sealing commercial and residential concrete floors such as workshop floors, warehouse floors, automotive garage floors, retail store floors, restaurant floors, basement floors, garage floors, and other machine troweled or burnished concrete flooring where a slight sheen is desired. Compatible with most glues, mastics, and topical coatings.

Product Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Yes</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear to Slightly Hazy w/ Mild Odor</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>(H₂O-1): 1.15 @ 20°C</td>
</tr>
<tr>
<td>% Volatile by Volume</td>
<td>0 g/L</td>
</tr>
<tr>
<td>pH</td>
<td>11.5-12.5</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Lower Limit: N/A; Upper Limit: N/A</td>
</tr>
<tr>
<td>Finish</td>
<td>Flat/Clear, Sheen w/ Polishing</td>
</tr>
<tr>
<td>Drying Time**</td>
<td>Dry to touch 1-2 hours; foot traffic 12-24 hours; wheel traffic 24-48 hours</td>
</tr>
<tr>
<td>Re-Coat Time</td>
<td>1 hour</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>1 year unopened</td>
</tr>
</tbody>
</table>

Coverage Rates*: 300-400 sq. ft./gal. machine troweled and smooth surfaces.

*Coverage rates are approximate and for estimating purposes only. Application rate based upon porosity and absorption. Always test absorption prior to application. When properly applied product should create a slightly white surface sheen and absorb within 1 minute without puddles. Immediately disperse puddles. Excessive application may result in white residue, which will not affect sealer performance and generally dissipates over time or power washing.

**Drying times are for estimating purposes only. Actual drying time is based upon temperature and humidity.

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PS107 Sodium Silicate Densifying WB Penetrating Sealer

Zero VOC, Water Based Concrete Floor Densifier & Hardener

Product Specifications Sheet

Performance Characteristics
VOC and OTC compliant in all areas of the United States.

Color
PS107 has a clear/ hazy appearance. Upon proper application, the substrate will have little, or no, noticeable change in appearance when dry. However, a polished appearance can be imparted to machine troweled or burnished surfaces by applying with scrubber or polisher. Color tints are available in a selection of colors.

Ordering & Shipping Information
Packaging: 5 gal. Pails 55 gal. Drums
Shipping: Normal package delivery and trucking

Surface Preparation
Substrates to be sealed must be a minimum of 28 days old and/ or be fully cured. The surface must be clean and porous enough to allow penetration into the substrate. Surfaces should be clean and free of dust, dirt, debris, mildew, oil, grease, paint or other surface coatings, and other contaminants. Under certain conditions, a precipitate may be deposited as the sodium solution dries. Substrates with a high acid level will react with the sodium solution and can cause some neutralization of the material before it is absorbed into the surface leaving a white precipitate. This white precipitate does not affect sealer performance and generally dissipates over time or remove with water and stiff broom or floor buffer. A test should be made to determine that none of these conditions exist.

Application
Always test porosity prior to application, especially on machine troweled concrete. Surface should be dry for proper penetration of the sealer. Product is a one part system and requires no special mixing. Stir material thoroughly before and during application. Do not apply below 40°F or above 85°F during the application or drying period. Apply uniformly with roller, low pressure sprayer, floor scrubber (black pad), or high speed polisher. PS107 enhances crystal formation which can facilitate a polished appearance. When applying with scrubber or polisher, work wet sealer into manageable area at least 5-10 minutes, squeegee excess to next area, and repeat. When applying material, maintain a wet edge to reduce chance of water spotting because product will not be able to penetrate a dry area that was previously treated. For a more polished appearance, buff with a white pad after 12 hours. Puddles should be immediately dispersed as excessive application may result in white residue which will not affect sealer performance and generally dissipates over time or by power washing. White residue may also form if surface has high alkali or acid content. To reduce likelihood of white residue on surface, rinse the surface thoroughly with water 2 hours after final application of sealer and then sweep up to remove any residual materials. Generally, only one application is required. If additional coats are desired, wait approximately 1 hour between coats. Clean application materials with warm water.

Limitations
PS107 is designed to work only on cured machine troweled and smooth concrete surfaces and is not intended for asphalt. This product may damage vegetation or may etch glass, vinyl, aluminum, plastic, and metal. Avoid contact with eyes and skin. Sealer may be damaged if frozen prior to use. Not intended to seal cracks. The use of high alkaline or acidic cleaners on the treated surface is not recommended and can be damaging. The Company does not warranty specific performance results or compatibility with products manufactured by others. The Company shall bear no liability, other than replacement of defective product. A small test must be conducted prior to application. Based upon this test, the purchaser shall determine for themselves the suitability of this product for the intended use.

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### Environmental & Regulatory
PS107 complies with EPA, FDA and OSHA strict requirements and contains no solvents or Volatile Organic Compounds (VOC). This product is considered a non-hazardous chemical under OSHA Hazard Communication Standard (29CFR 1910.1200). Contact may cause skin or eye irritation. Using with adequate air ventilation, eye protection, and gloves is recommended.

### Safety & First Aid Precautions
<table>
<thead>
<tr>
<th>Eyes</th>
<th>Flush with water for at least 15 minutes.</th>
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</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Wash thoroughly with soap and water.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Move subject to fresh air.</td>
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<tr>
<td>Digestion</td>
<td>Consult physician immediately.</td>
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