RadonSeal Deep-Penetrating Concrete Sealer
Product Data Sheet

PRODUCT DESCRIPTION
RadonSeal Penetrating Concrete Sealer is a ready-to-use, internal, reactive sealer, formulated for maximum penetration and sealing of capillaries in concrete and cementitious substrates.

RadonSeal penetrates deep (up to 4 inches), chemically reacts, bonds and strengthens concrete, sealing it against liquids, vapors, and gases. RadonSeal is water based, non-flammable, non-toxic, safe, and easy to apply.

ADVANTAGES
- **Waterproofs** concrete and also seals against water vapor and radon gas.
- **Bonds, strengthens and preserves** concrete, reducing spalling, pitting, and cracking.
- **Permanent**, no re-application required. Cannot be pushed out by water pressure, will not wear off, flake or peel.
- Reduces efflorescence (unsightly mineral salts).
- Reduces concrete dusting.
- Allows concrete to “breathe.”
- Leaves no film or color on the surface.
- Zero VOCs. No strong odors.
- Protects concrete against freeze/thaw damage, chemicals, and road salts.
- Treated surfaces are suitable for paints, adhesives, thinset, patching, levelers, etc.
- Backed by a **Limited Lifetime Guarantee!**

USES
Effective on **new or old** concrete slabs and walls, **indoors** and **outdoors** – foundations, driveways, poured concrete or blocks, mortar, sidewalks.

- Concrete waterproofing, damp proofing, radon mitigation, and preservation.
- Cure and seal compound – retards water evaporation to reduce shrinkage cracking and produce a less porous and stronger concrete.
- Concrete primer before applying paint, mastics, adhesives.

LIMITATIONS
RadonSeal is not intended to seal cracks, joints, or gaps. Not suitable for concrete less than 3 inches thick, fiber-reinforced concrete, and lightweight, dry-pressed, split face, haydite, or popcorn blocks.

PACKAGING

COVERAGE
Varies with substrate porosity and composition.

- **Poured concrete:**
  - 1,000 sq. ft. per 5-gallon pail in 2 applications
- **Concrete Blocks**
  - 500 sq. ft. per 5-gallon pail in 3 applications
- **Cinder Blocks**
  - 400 sq. ft. per 5-gallon pail in 4 applications

TECHNICAL DATA

<table>
<thead>
<tr>
<th>PHYSICAL FORM</th>
<th>BOILING POINT: 214°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOR:</td>
<td>No/Very Low Odor</td>
</tr>
<tr>
<td>FREEZE POINT:</td>
<td>32°F</td>
</tr>
<tr>
<td>VOC CONTENT:</td>
<td>zero</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>1.1</td>
</tr>
<tr>
<td>pH:</td>
<td>11.5 liquid / 7.9 cured</td>
</tr>
<tr>
<td>COLOR:</td>
<td>colorless, turbid</td>
</tr>
</tbody>
</table>

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>USDA/EPA</th>
<th>USDA Compliant EPA Compliant</th>
</tr>
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<tbody>
<tr>
<td>ASTM C-642</td>
<td>Reduces water absorption up to 98%</td>
</tr>
<tr>
<td>NCHRP 244</td>
<td>Absorbed chloride: -6%</td>
</tr>
<tr>
<td>ASTM-C-67</td>
<td>High resistance to efflorescence</td>
</tr>
<tr>
<td>Section 29</td>
<td></td>
</tr>
<tr>
<td>ASTM C 39</td>
<td>45% increase in compressive strength</td>
</tr>
<tr>
<td>ASTM C 779</td>
<td>45% increase in surface hardness &gt;200% increase in wear resistance</td>
</tr>
<tr>
<td>ASTM G23-81</td>
<td>Resistance to sunlight (UV) and water spray – Excellent</td>
</tr>
<tr>
<td>ASTM-C-156</td>
<td>Significant improvement in curing against hairline cracking and spot drying.</td>
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<tr>
<td>ASTM D 3359</td>
<td>20% increase in epoxy adhesion</td>
</tr>
<tr>
<td>Bacterial Growth</td>
<td>Does not support</td>
</tr>
<tr>
<td>Resistance to Alkalinity</td>
<td>Excellent</td>
</tr>
<tr>
<td>Surface Appearance</td>
<td>No color or texture change. No gloss.</td>
</tr>
<tr>
<td>Paint Adhesion</td>
<td>Treated surfaces are compatible with any type of covering.</td>
</tr>
</tbody>
</table>
Available in 2.5 gal., 5 gal., and 55 gal. containers.

CHEMICAL RESISTANCE
The resistance rating is based on a combination of the concrete resistance to penetration, absorption, disintegration, and the ability to recover and stabilize. Acids were tested in a 10% solution and all other liquids at full strength as normally sold and used in commerce.

Excellent
- Sodium Chloride (Salt) NaCl
- Motor Oil
- Kerosene
- Grain Alcohol C2H5OH
- Vegetable Oil
- Turpentine

Good
- Gasoline
- Toluene
- Hydrochloric Acid HCL
- Nitric Acid HNO3
- Sodium Hydroxide NaOH
- Ammonia NH3

Grain Alcohol C2H5OH
- Hydraulic Fluid
- Mineral Spirits
- Wood Alcohol CH3OH
- Mineral Oil

LIMITED WARRANTY INFORMATION
The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that the Product is safe, effective, and suitable for its intended end use. Novion, Inc. specifically disclaims liability for any incidental, consequential or other damages including but not limited to, loss of profits or damages to a structure or its contents.

NOTE: Read and understand the product MSDS prior to use.