

**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, spilt 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**

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

**PERFORMANCE DATA**

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

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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 C <sub>2</sub> H <sub>5</sub> OH Vegetable Oil Turpentine	Grain Alcohol C <sub>2</sub> H <sub>5</sub> OH Hydraulic Fluid Mineral Spirits Wood Alcohol CH <sub>3</sub> OH Mineral Oil
Good	Gasoline Toluene Hydrochloric Acid HCL Nitric Acid HNO <sub>3</sub> Sodium Hydroxide NaOH Ammonia NH <sub>3</sub>	Xylene Acetone CH <sub>3</sub> COOH Sulfuric Acid H <sub>2</sub> SO <sub>4</sub> Phosphoric Acid H <sub>3</sub> PO <sub>4</sub> Potassium Hydroxide KOH Hydrogen Sulfide H <sub>2</sub> S

**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.