



# RadonSeal® Deep-Penetrating Concrete Sealer

RadonSeal® Deep-Penetrating Concrete Sealer is a ready-to-use, reactive sealer, formulated for maximum penetration and sealing of capillaries, pore spaces, and fractures in poured concrete and concrete blocks. RadonSeal penetrates deep inside concrete (up to 4"), chemically reacts, bonds and strengthens concrete, restricting the movement of water, water vapor, and soil gases.

## Advantages

- **Waterproofing & Radon Mitigation** – Restricts the movement of water, water vapor, radon, and other soil gasses.
- **Strengthens** – Bonds and hardens concrete surfaces, reducing dusting, spalling, and cracking. Protects concrete against freeze/thaw damage, road salts, and deicing chemicals.
- **Efflorescence** – Reduces efflorescence (unsightly mineral salts).
- **ECO-Friendly** – Zero VOCs, no solvents, no noxious odors. Safe for indoor use.
- **Breathable** – Does not trap water vapor at the surface. Allows concrete to breathe and dry.
- **Non-Film Forming** – Does not change the appearance or make surfaces slippery.
- **Paintable** – Neutralizes alkalis and reduces high pH (new concrete). Improves the performance of water-based stains, epoxy coatings, paints, thin-set, patching compounds, and surface levelers.
- **Deep-Cleans** – Purges contaminants, sub-efflorescence, minor oil and grease spills, and animal urine to the surface.
- **Permanent** – One-time application. No reapplication is required. Cannot be pushed out by water pressure, and will not wear off, flake, or peel.

## Uses

RadonSeal works by reacting with Portland cement, it is most effective when used on high-quality concrete (+3" thick, indoor/outdoor);

- **Poured Concrete** – Basement walls and floors. Garage slabs. Slab-on-grade construction. Factory and warehouse floors. Driveways, sidewalks, pool decks, patios, carports, concrete curbs, parking lots, seawalls, storage tanks, cooling towers, concrete columns, and building facades.
- **Concrete Blocks** – Heavyweight concrete blocks, cinder blocks, foundation walls, retaining walls.
- **Limestone** – Basement walls constructed from limestone and concrete. Limestone building facades and columns.
- **Mortar** – Solidifies mortar between concrete blocks.

## Exclusions

RadonSeal Concrete Sealer is an impregnating sealer. Not a topical sealant or coating system. It does not seal water penetration due to structural defects, cracks, seams, corner joints, holes, and similar which may require caulking, patching, or other crack repair materials.

**Exclusions:** Stamped concrete, colored or stained concrete, polished concrete, modified hydraulic cement, patching compounds, fiber-reinforced concrete, concrete self-levelers, split face or lightweight blocks, haydite, popcorn blocks, bricks, pavers, flagstone, and grout.

## Coverage

- Indoor Poured Concrete:** 200-225 sq. ft. per gal
- Outdoor Poured Concrete:** 175-200 sq. ft. per gal
- Concrete Blocks:** 100-125 sq. ft. per gal
- Limestone:** 175-225 sq. ft. per gal

**Note:** Coverage rates are based on the recommended number of applications. For example, to cover a surface area of 1,000 sq. ft., you would require one 5-gallon container, enabling you to apply two coats.

## Applicator

**Recommended:** Apply using a common plastic hand-pump sprayer with a fan tip nozzle.

A heavy-nap paint roller or brush can be used if spraying is not possible. Agitate the container thoroughly before use.



## Coverage

<b>Physical Form:</b>	Liquid	<b>Boiling Point:</b>	214°F
<b>Odor:</b>	No/Low Odor	<b>Freeze Point:</b>	32°F
<b>Color:</b>	Colorless, Turbid	<b>VOC Content:</b>	Zero
<b>Specific Gravity:</b>	(H2O=1) 1.2@ 24° C.	<b>Shelf Life:</b>	1 Year
<b>pH:</b>	11.5 liquid / 7.9 cured	<b>Storage:</b>	40-90 °F
<b>Solubility in Water:</b>	Excellent	<b>Evaporation Rate:</b>	Same as water

## Performance Data

Water Absorption Reduction   Poured Concrete	ASTM C-642	98%
Absorbed Chloride Reduction	NCHRP 244	< 6%
Efflorescence	ASTM-C-67 Section 29	High resistance to efflorescence
Increase in compressive strength	ASTM C 39	45%
Increase in surface hardness. Increase in wear resistance.	ASTM C 779	45% > 200%
Increase in epoxy adhesion	ASTM D 3359	20%
Moisture retention / Concrete curing	ASTM-C-156	Significant improvement in curing against hairline cracking and spot drying.
Resistance to Sunlight (UV)	Excellent   UV Stable	
Bacterial Growth	Does Not Support	
Resistance to Alkalinity	Excellent	
Surface Appearance	No Color Change No Gloss	
Paint adhesion	Treated surfaces are compatible with any type of covering.	
Drying Time	1-4 Hours	

## Packaging



If you have detailed questions about your application or project please visit RadonSeal.com or contact a RadonSeal customer service representative for expert advice.

1.800.472.0603  
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Visit RadonSeal.com

