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POS

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 in concrete and cementitious substrates. RadonSeal penetrates deep inside concrete (up to 4"), chemically reacts, bonds and strengthens concrete, restricting the movement of water, water vapor, soil gases, and even radon gas.

MOISTURE BLOCK | PERMANENT | STRENGTHENS | ZERO VOCs | NO-SLIP | PAINTABLE | BREATHABLE

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 and porous mortar in older stone foundation walls.

Limitations

- 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.
- Not intended for use on fiber-reinforced concrete, stamped concrete, concrete levelers, color-stained concrete, lightweight blocks, dry-pressed, spilt face, haydite, popcorn blocks, brick, pavers, flagstone, and grout.

Coverage

• Poured Concrete:	200 sq. ft.	per/gal
• Concrete Blocks:	100 sq. ft.	per/gal
• Cinder Blocks:	80 sq. ft.	per/gal
• Stucco:	200-250 sq. ft.	per/gal
• Limestone:	175-225 sq. ft.	per/gal

(Coverage is estimated)

Applicator

Recommended – Apply using a hand-pump sprayer equipped with fan tip nozzle.

If spray application is not practical, a heavy-nap paint roller or brush can be used.

Technical Data

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

Performance Data

Water Absorption Reduction | Poured Concrete	ASTM C-642	98%
Absrobed 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	

United States Department of Agriculture - USDA Compliant
US Environmental Protection Agency - EPA Compliant

EPA USDA

Packaging

RadonSeal