



RadonSeal SINCE 1997
ION-BOND ARMOR™
SUBSURFACE ELASTOMERIC CONCRETE SEALER

IonBond Armor™ is a state-of-the-art, commercial-grade, water based, polysiloxane sealer formulated to penetrate deep into concrete, concrete blocks, cinder blocks, CMU, masonry, and porous building materials. Forms an elastomeric waterproof barrier well below the surface. Suitable for indoor or outdoor use, horizontal and vertical surfaces, commercial and residential, and above or below grade applications.

ADVANTAGES

- **Waterproofs** – Specifically engineered for the treatment of above or below-grade concrete walls or floors with high negative-side pressures.
- **Negative Side Water** – Durable to seal against hydrostatic pressure. Restricts water wicking by capillary action.
- **Deep Penetrating** – Penetrates up to 1.5" into concrete three times deeper than typical siloxane sealers. Penetrates most hard-troweled concrete surfaces.
- **Ultra Low VOC** – No fumes. No odors. Waterborne, non-toxic, non-flammable, noncorrosive. Earth-friendly.
- **Long-Lasting Performance** – When used indoors and on walls, the waterproofing seal is practically permanent.
- **Slip Resistant** – Does not coat the surface. Does not alter surface friction. Leaves the natural appearance of the concrete.
- **Paintable** – Protects coatings. Leaves the surface suitable for paints, adhesives, thinset, and patching compounds.
- **Breathable** – Does not trap water. Minimizes the infiltration of water vapor and gases, while still allowing the substrate to dry out.
- **Humidity** – Aids in reducing water vapor transmission through the substrate.
- **Reduces Efflorescence**
- **Resist Chlorides and Salts**

USES

- Ion-Bond Armor is a reactive polysiloxane sealer capable of penetrating (up to 1.5") concrete and other porous masonry. The formula attaches itself to the substrate by electrochemical means and reacts to form a "minimally" vapor-permeable elastomeric membrane below the surface.
- **Poured Concrete** - Indoor/Outdoor. Basement walls and floors, Garage slabs, Driveways. Slab-on-grade construction. Factory and warehouse floors. Commercial sidewalks, pool decks, concrete curbs, parking lots, ramps, seawalls, building facades.
 - **CMU** - Heavyweight and lightweight concrete blocks. Cinder blocks, split-face, and haydite blocks. Basement walls, retaining walls, hardscape.
 - **Hard Troweled Concrete** - Tight concrete surfaces. Commercial/Industrial floors, garage slabs, slab-on-grade.
 - **Fiber Reinforced Concrete** - Common to cold weather climates.
 - **Colored Concrete** - Integrally colored, acid stained, or concrete dyes.
 - **Thin Concrete** - Rat slabs less than 3" thick. More common to early 20th century built homes and attached crawlspaces.

EXCLUSIONS

Stamped Concrete, Polished Concrete Slabs, Modified Hydraulic Cement, Concrete Floor Coatings. Water leaks due to cracks, seams, corner joints, holes, and similar which may require caulking, patching, or other repairs.

COVERAGE

- **Indoor Poured Concrete:** 200-225 sq. ft. per gallon.
 - **Outdoor Poured Concrete:** 175-200 sq. ft. per gallon.
 - **Concrete Blocks:** 125-150 sq. ft. per gallon.
 - **Cinder/Splitface Blocks:** 75-125 sq. ft. per gallon.
- (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.

SHELF-LIFE

45-days / 14-days once the activator is added.



RECOMMENDED

TECHNICAL DATA

Physical Form:	Liquid	Boiling Point:	214°F
Odor:	Slight Amine	Freeze Point:	32°F
Color:	Whitish/Milky	VOC Content:	<30 g/L
Specific Gravity:	1.1	Solubility in Water:	Excellent
Storage:	40-90 °F	Evaporation Rate:	Same as water

PERFORMANCE DATA

Water Vapor Transmission of Organic Coating Films	ASTM D1653	96.6% @ 30% RH 24.1 @ 90% RH
Water Penetration and Leakage Through Masonry	ASTM E514	99.78%
Absorbed Chloride Reduction	NCHRP 244	99.4%
Resistance to Sunlight (UV)	Excellent (QUV Weathering)	
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



PACKAGING

5-gallons, 2.5-gallons. Vented containers.



PRODUCT DISCLAIMER

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. Read and understand the product Safety Data Sheets (SDS) prior to use.

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