

PoreShield™



The Future of Concrete Protection

PoreShield™ is your solution for cost-effective, sustainable concrete protection that lasts. It absorbs deep into the pore system of concrete, blocking damage from salt & moisture for 10+ years. Backed by independent testing, PoreShield is proven to prevent CalOxy formation, Alkali-Silica Reaction and freeze-thaw damage. Unlike toxic silane sealers that only form a shell over the surface, bio-based PoreShield stays fluid below the surface, self-healing and protecting new cracks as they form. PoreShield is low-VOC and easy to apply with a conventional sprayer, requiring no extra PPE, no special equipment, and no extra training. Use PoreShield on new and old concrete of any density; it doesn't stain or reduce traction after absorption. Derived from soybeans, PoreShield is USDA BioPreferred, Federal Purchasing certified and 100% American-made from farm to infrastructure. Protect your investment with PoreShield.

BENEFITS

Absorbs into pore system, blocking salt & moisture

Provides 10+ years of protection

Cost-effective & Non-toxic

Works on all densities of concrete, new or old

Doesn't stain concrete or reduce traction after absorption





RECOMMENDED USES

PoreShield™ is already in use on roadways across the US, protecting highway joints, bridge decks, retaining walls, overpass structures, sound barriers and more.

Safe for indoor use, PoreShield has a variety of commercial and industrial applications, including building foundations, livestock barns, parking garages, factory and warehouse floors, loading docks, and pre-cast concrete.

Residential uses include driveways, sidewalks, home foundations, garage floors, patios and more.

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FEATURES

Blocks ion transfer into concrete:
Ca, Cl, Mg, etc.

Prevents Calcium Oxychloride formation

Arrests deterioration from alkali-silica reaction

Protects for 10+ years

Works on new or old concrete

Easy application & clean-up

Cost-effective

Sustainable

Non-hazardous

Inhibits staining & rebar corrosion

Meets Low VOC standards for EPA CARB,
SCAQMD, OTC & AIM (43.3 g/L)

USDA BioPreferred & Federal
Purchasing certified

Contact info@poreshield.com to see how PoreShield can protect your next concrete project.

Intact after 300 freeze-thaw cycles



Summary of test data from third party AASHTO accredited lab.

Description	Results
ASTM C1585, Initial Rate of Water Absorption Secondary Rate of Water Absorption	30.3 x 10 ⁻⁴ mm/s ^{1/2} (84% reduction vs. control) 27.0 x 10 ⁻⁴ mm/s ^{1/2} (79% reduction vs. control)
ASTM C666, Resistance to Freezing and Thawing	RDM of 94% after 300 cycles
ASTM C672, Scaling Resistance	Control samples after 50 cycles (level 5) severe scaling PoreShield treated samples after 50 cycles (level 1) very light scaling
AASHTO T259, Resistance to Chloride Ion Penetration	64% reduction from surface to 1/2" 89% reduction from 1/2" to 1"

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