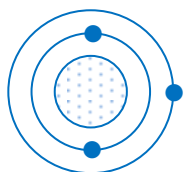


# Harden X SI™

## Lithium Hardener / Sealer / Densifier / Salt Inhibitor

EXTERIOR / INTERIOR USE ON NEW OR EXISTING CONCRETE

Using the most advanced technology in the industry, the lithium formulation of Harden X SI™ provides superior concrete strength and protection against salt intrusion, freeze/thaw cycles, abrasive materials, and the general wear and tear sustained by surfaces exposed to the elements over time. Harden X SI™ is not a coating, it completely penetrates the surface to become part of the structure in just one application—with no cracking, peeling or flaking for the life of the surface.



EXPERIENCE THE  
LITHIUM DIFFERENCE™

### ADVANTAGES OF LITHIUM TECHNOLOGY

Chemical reactions of lithium silicates are more stable than those caused by volatile conventional silicates, allowing the material to penetrate more deeply and react more evenly throughout the concrete. SS Harden X SI™ reacts with the lime in the concrete to form stable, insoluble tri-calcium silica structures for maximum hardening, sealing, and densification. The cutting-edge technology in our proprietary lithium formulation makes SS Harden X SI™ the most advanced product of its kind.

### SUPERIOR SALT PROTECTION

Independent tests show that the chloride screens formed by the lithium technology in Harden X SI™ reduce salt absorption by 91%.

### STABLE IN ALL ENVIRONMENTAL CONDITIONS

The insolubility of the lithium in Harden X SI™ provides superior water resistance over sodium silicates which absorb moisture and cause the ASR that produces cracking and crazing after repeated expansion/contraction cycles.

### MAXIMUM RESISTANCE

Harden X SI™ reduces surface porosity for maximum resistance to dusting, moisture, and chemical attack. Mohs hardness testing shows a 38% increase in abrasion resistance. Harden X SI™ also reduces the potential for efflorescence.

### EASY, FAST-DRYING, ONE-TIME APPLICATION

Harden X SI™ is simply sprayed evenly over the surface with no flushing or removal/disposal of any excess material and is dry in 10 minutes (open to traffic in 30). One application protects for the life of the concrete, leaving a light-reflective surface that is easy to maintain with minimal downtime and maintenance expense.

### ENVIRONMENTAL ADVANTAGES

- LEED® Certified for EQ Credit 4.1: Low Emitting Materials/Adhesives & Sealants
- No VOCs
- Water-based
- Odorless
- Eliminates dusting of concrete surfaces for improved air quality
- Leaves no residue in groundwater or wastewater
- Concentrated material means lower application rate, fewer containers, less fuel used in shipping due to lower product weight, reduced shipping costs

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