

Water-Based Silicate Sealer / Densifier

A proprietary, colorless chemical solution that increases the wear surface strength of concrete floors subjected to pedestrian and vehicle traffic. SpecHard-Intraseal penetrates concrete surfaces to seal, densify and harden. SpecHard-Intraseal floors last longer, cost less to maintain, are safe to use, and are guaranteed to resist dusting for years after application.



✓ Benefits

- Reduces porosity and increases hardness of the concrete surface.
- VOC compliant and Non-Yellowing
- Resists staining and penetration of oil and many chemicals
- Minimizes tire marks and makes them easier to remove
- Equipment can be cleaned with water
- Can be applied to fresh, new, or existing concrete
- Low sheen enhances the appearance of concrete surface
- Compatible with SpecChem SpecTilt bond breakers for tiltup projects
- Cures, seals, hardens, dustproofs and prevents efflorescence
- Promotes bonding of secondary toppings
- Controls hairline crack
- One application, economical, water clean up



Usage

- Commercial/Industrial concrete floors
- Interior/Exterior
- Fresh, new or existing concrete



Packaging

- 5 gallon drum (18.93 L)
- 55 gallon (208.2 L)



Standards

- Tested per CDPH Standard Method V1.2 and is in compliance with all LEED V.4 requirements
- Recommended for ACI 302. Class 1 through 5 concrete floors, and class 9 super flat floor

- USDA accepted
- Typical Properties

Active Ingredients:	100%
Type:	Proprietary blend
Flash Point:	None
Odor:	None
Color:	Clear
Dry Time:	2-4 hours
VOC:	0.0

ADVANTAGES

- Seals, dust p oofs, hardens, and cures.
- Protects against dusting, pitting, palling, efflorescence, temperature cracking in concreteInhibits freeze/thaw deterioration.
- Neutralizes excess internal alkali from concrete
- VOC Compliant and non-yellowing

COVERAGE

- Hard Troweled Finish 200-350 ft²/gal
- Broom or Float Finish 150-250 ft²/gal
- Rough Slab Finish 150-200 ft²/gal
- Old Concrete 150-250 ft²/gal

HIGHLIGHTED PROJECTS

Johnson & Johnson Plant

Indianapolis, IN
1,000,000 sq ft

LVIP VII

Bethlehem, PA
677,000 sq ft

FLETC GL Dept of Homeland Security

Brunswick, GA
325,000 sq ft

Capitol Logistics

Harrisburg, PA
500,000 sq ft

The Limited Distribution Center

New Albany, Ohio
504,000 sq ft

Ford

Shanghai, China
800,000 sq ft

Fed-Ex

Concord, NC
275,000 sq ft

Continental Tire

Charlotte, NC
500,000 sq ft

Sealy Posturpedic

Hagerstown, MD
600,000 sq ft

Union Cross

Winston Salem, NC
450,000 sq ft

APPLICATION TYPES

Most applications are performed after the slab has been curing for a minimum of 28 days. Different specifications call for 14 days, 7 days and even 1 hour after concrete placement. The type of project, schedule and the owner determine which type of application is performed.

These application types are:

- 1 - Standard Post Seal – After the slab has been cured by another method.
- 2 - SpecChem Pre-Seal Method – This is a compatible system that includes the curing compound and is applied the same day as the slab is poured.
- 3 - Tilt-Up Application – This can be either Post or Pre-Seal method, but must consider the type of bondbreaker used.
- 4 - Remediation – This is an existing slab that the owner wants stripped and wants SpecHard applied.

PERFORMANCES

CURING- SpecHard when properly applied to fresh concrete will reduce hairline cracks. SpecHard will also act to retain moisture in the concrete necessary for the hydration reaction.

SEALING- SpecHard will cause a deep reacting chemical change in the concrete. This chemical reaction will seal the pores of the concrete for the remainder of its life.

HARDENING- SpecHard causes the concrete to consolidate creating a harder denser surface. This surface will have increased abrasion resistance and toughness.

DUSTPROOFING- SpecHard's chemical reaction with the concrete will prevent the dusting of concrete.

BONDING- SpecHard treated concrete prevents surface concrete salts thus providing great bonding for paints, caulking adhesives, and floor coverings. SpecHard is compatible with all types of surface coatings.

COMPANION PRODUCTS

E-Cure-

A guaranteed compatible cure that requires no stripping prior to the use of SpecHard.

SpecGuard-

A great option to add additional shine and stain resistance to your SpecHard floor.

Orange Peel-

Perfect for remediation application where SpecHard is used.



SPECIFICATION

- Recommended for ACI 302
- Class 1 through 4 concrete floors, and class 9 super flat floors
- USDA accepted
- Can contribute to LEED points
- VOC and OTC compliant
- Typical Properties
- Active Ingredients: 100%
- Type: Proprietary blend
- Flash Point: None
- Odor: None
- Color: Clear
- Dry Time: 2-4 hours
- VOC: 0.0



TECHNICAL DATA FOR SPECHARD

TECHNICAL DATE FOR SPECHARD

Improved Abrasion Resistance ASTM C-779
Improved Compressive Strength ASTM C-140
Improved Impact Resistance ASTM C-805
Reduced Permeability ASTM C-642
Skid Resistance ASTM C-303
Reduced Vapor Transmission ASTM E-96
Weatherability/UV Stability ASTM G-23
Depth of Penetration
USDA Accepted
Specific Gravity

TEST RESULTS

>26%
>14%
>10%
>76%
Good
< 8.0gm/hr/sq-ft
no change
>3.5mm
Yes
1.16