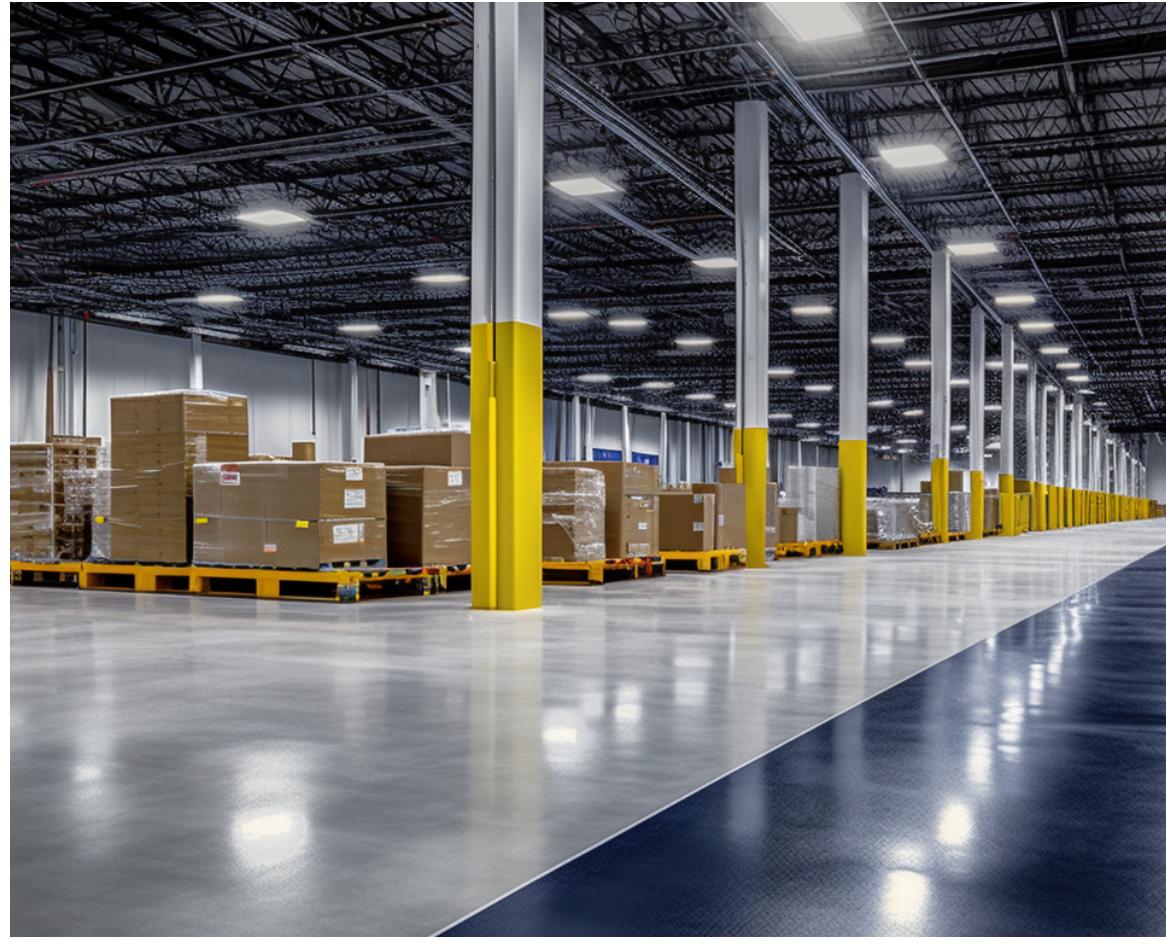




Your Concrete Solution



**SPEC<sup>CHEM</sup>** 

**SPECHARD-INTRASEAL**

INDUSTRIAL CONCRETE FLOOR SYSTEM



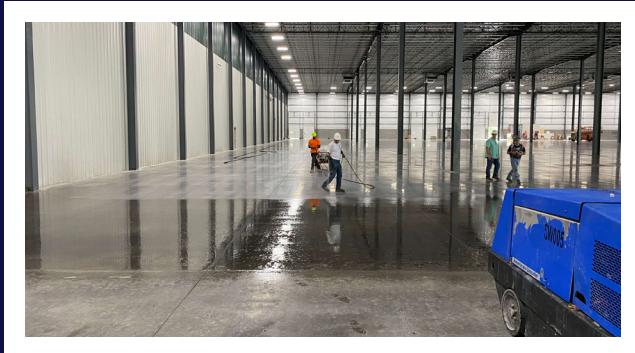
Official Website

[www.specchem.com](http://www.specchem.com)



# COVERAGE:

Hard Troweled Finish 200-350 ft<sup>2</sup>/gal  
Broom or Float Finish 150-250 ft<sup>2</sup>/gal



Rough Slab Finish 150-200 ft<sup>2</sup>/gal  
Old Concrete 150-250 ft<sup>2</sup>/gal

# SPECHARD-INTRASEAL

A water-based, odorless silicate and silicate solution, formulated to penetrate freshly poured or existing concrete. Concrete floors that are subjected to excessive traffic can show signs of increased abrasion. SpecHard is designed to increase the wear surface strength of these concrete floors. SpecHard will create an internal matrix that seals and chemically hardens the concrete once it is properly applied.



## IMPROVED STRENGTH

SpecHard is designed not to scratch, tear, peel or discolor.



## ENHANCED APPEARANCE

SpecHard imparts a low gloss, satin sheen which enhances the appearance of concrete surface without buffing.



## STAIN RESISTANT

SpecHard treated floors are more resistant to commonly used industrial chemicals, gasoline, oil and other fluids.





# The Industry Standard

## APPEARANCE

### SURFACE APPEARANCE

On smooth troweled concrete, a sheen will develop in roughly 6 months (dependent on amount of traffic). All other surfaces retain their natural appearance. The sheen can be accelerated by buffing the floor. A spiff coat may be used to enhance the initial sheen.

#### PACKAGING:

- 55 gallon drums (208.2 L)
- 5 gallon pails (18.9 L)

#### TEMPERATURE LIMITS:

- Apply in temperatures of 40°F - 100°F

#### DRYING TIME:

- 2-4 Hours

#### USES:

- Fresh or existing concrete, aggregate and other sand/aggregate portland cement combinations

#### FUNCTIONS:

- Seals, dust proofs, hardens, and cures
- Protects against dusting, pitting, palling, efflorescence, temperature cracking in concrete
- Inhibits freeze/thaw deterioration

#### STORAGE LIFE:

- SpecHard containers are to be stored in a clean, dry area between 40°F and 100°F (5°C - 40°C).
- Shelf life of SpecHard in unopened containers is 2 years if properly stored. Do Not Freeze.

#### EQUIPMENT CLEAN UP

- Equipment can be cleaned with water

#### PAINTING:

- **Existing Concrete:** Allow SpecHard to dry for 7 days before applying paint.
- **New Concrete:** Allow SpecHard to cure for 28 days before applying paint.

#### NOTES:

- When SpecHard is to be applied to fresh concrete, pozzolanic (fly ash, blast furnace slag) usage in concrete mix designs should be kept to a minimum (i.e. 5-10% by weight of Portland cement) to optimize the sealing and hardening effects of SpecHard or wait a minimum of 14 days to apply. Protect metal, glass, brick and painted surfaces from SpecHard. If accidentally mis-applied, wash with clean water at once.
- Do not use over colored or pigmented concrete or as a cure on slabs intended for use as a tilt up casting bed without consulting SpecChem technical services. If freezing occurs, contact SpecChem.
- Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels, and technical literature. Please read this information prior to using the product. Application temperature above 40o F & rising is recommended.



TDS



SDS



SPEC



**Website**  
[www.SpecChem.com](http://www.SpecChem.com)

(816) 968-5600

# 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

**THE LIMITED  
DISTRIBUTION CENTER**  
New Albany, OH  
504,000 sq ft

**FORD**  
Shanghai, China  
800,000 sq ft

**FED-EX**  
Concord, NC  
275,000 sq ft

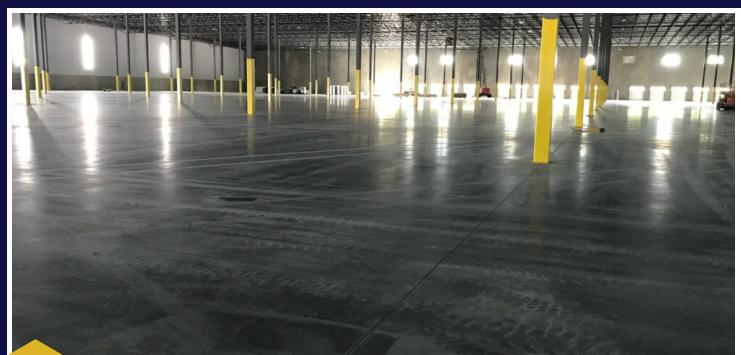
**CONTINENTAL TIRE**  
Charlotte, NC  
500,000 sq ft

**SEALY POSTURPEDIC**  
Hagerstown, MD  
600,000 sq ft

**UNION CROSS**  
Winston Salem, NC  
450,000 sq ft



 **TVH WAREHOUSE – OLATHE, KANSAS**



 **WAREHOUSE – HONG KONG, CHINA**

 **CAPITAL LOGISTICS – HARRISBURG, PENNSYLVANIA**

# SHARE THE SUCCESS



## RAYMORE COMMERCE CENTER 565,000 Sq Ft



Superior SpecChem service and product performance allowed *Jacor Contracting* to maintain an ambitious completion timetable without sacrificing quality.

A 565,000 sq/ft industrial warehouse located in Raymore, MO. This industrial floor slab, thanks to SpecChem's *SpecHard-Intraseal*, will be durable and fortified for years to come.



- Can be applied to fresh, new, or existing concrete
- Increased abrasion resistance and toughness
- Minimizes tire marks and makes them easier to remove

### **SpecHard-Intraseal**

**Siliconate Sealer/Densifier**

- Equipment can be cleaned with water
- Resists staining and penetration of oil and many chemicals
- Promotes bonding of secondary toppings and controls hairline cracks

SpecHard is compatible with SpecChem's SpecTilt bond breakers for tilt-up projects.

#### ADDRESS

1511 Baltimore Avenue  
Suite 600, Kansas City, MO 64108

#### CONTACT

P : 816.968.5600

#### ONLINE

[www.specchem.com](http://www.specchem.com)



## SPECIFICATIONS

- 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

## SURFACE PREPARATION:

Application to Existing Concrete: Surface preparation: Surface must be clean and sound. Remove all dirt, grease, curing compounds or other foreign matter with SpecChem Orange Peel or Berry Clean.

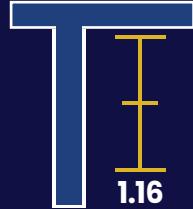
## APPLICATION

Spray, squeegee or broom apply based on concrete porosity. For best results, SpecHard should be applied and scrubbed using mechanical scrubbers. Immediately follow application by light brooming to assure penetration and to avoid ponding. Keep surface saturated with SpecHard for 20-30 minutes. As the surface absorbs the SpecHard, apply a light water spray to enhance penetration and to keep the SpecHard in solution from drying on the surface. Squeeze away excess and allow to dry

### USDA ACCEPTED



### SPECIFIC GRAVITY



### SKID RESISTANCE ASTM C-303

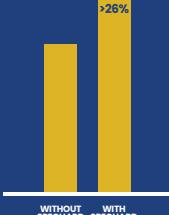


GOOD

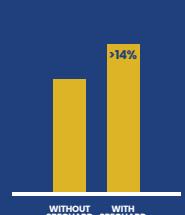
### APPLY IN TEMPS. OF 40°F-100°F



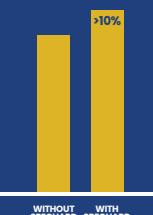
#### ASTM C-779 ABRASION RESISTANCE



#### ASTM C-140 COMPRESSIVE STRENGTH



#### ASTM C-805 IMPACT RESISTANCE



#### ASTM C-642 REDUCED PERMEABILITY



#### DEPTH OF PENETRATION





ONE COMPLETE SYSTEM FOR ALL YOUR INDUSTRIAL FLOORING NEEDS.

**Orange Peel**  
CITRUS BASED SOLVENT & DEGREASER  
SOLVENTE & DESGRASADOR BIODEGRADABLE EN  
BASE A CITRUSOS

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**ORANGE PEEL**  
CLEANER / DEGREASER

**Berry Clean**  
RASPBERRY SCENTED SOLVENT CLEANER/  
DEGREASER VOC COMPLIANT  
DISOLVENTE UMADEJO/DESGRASADOR CON AROMA A FRAMBUESA  
COM-COMPATIBLE CON VOC

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**BERRY CLEAN**  
CLEANER / DEGREASER

**RAPID FLEX 90**  
POURABLE DARK GRAY CONSISTENCY  
**SPEC'CHEM**  
Solution to Service

Rapid Curing, Semi-rigid PolyUrethane control joint filler  
Complies with ACI 302 guidelines for "Soft Joint"

Easy 1:1 Mix Ratio  
High Strength (20%)  
Semi-rigid (Modulus E = 45)  
Optimized Cure (Modulus E = 45)  
Can apply and cure down to -25°F

**SpecFilm**  
READY TO USE EVAPORATION RETARDANT/  
FINISHING AID

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**SPEC'FILM**  
EVAPORATION RETARDER

**SpecHard-Intraseal**  
SILICATE SEALER/DENSIFIER  
SELLADOR / DENSIFICADOR DE SILICATO EN BASE AGUA

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**SPEC'HARD**  
HARDENER DENSIFIER

**All Shield Ex**  
MODIFIED OLEOPHOBIC PENETRATING CONCRETE  
PROTECTANT

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**ALSO AVAILABLE IN WATER-BASED!**

**ALL SHIELD EX**  
WATER REPELLENT

**INTRAFILM**  
REACTIVE COLLOIDAL SILICA DENSIFIER & FINISHING AID  
Densificador de sílice coloidal reactivo  
y ayuda de acabado

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**INTRAFILM**  
FINISHING AID

**SpecRez**  
WATER BASED DISSIPATING RESIN CURING COMPOUND  
CURADOR DE CONCRETO DE RESINA DISIPATIVA EN BASE AGUA

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**SPEC'REZ**  
CONCRETE CURING  
COMPOUND

**E-Cure**  
WATER-BASED CONCRETE CURING COMPOUND  
CURADOR DE CONCRETO EN BASE AGUA

**SPEC'CHEM**  
Solution to Service

Batch No.: 5 Gal/18.9 L  
Date Issued: 18.9 Liters from batch date  
www.SpecChemInc.com | 816.948.5600

Kansas City | Charleston | Las Vegas | Dallas | PH

**E-CURE**  
CONCRETE CURING  
COMPOUND



# About SpecChem

At SpecChem, we serve five key concrete markets: commercial, industrial, DOT & infrastructure, residential, and repair & restoration. We are active in nearly every industry trade group related to these key market segments and have a strong team of industry professionals who are focused on building long-term relationships, increasing distributor profitability, continually evolving, developing new products, and providing premium customer service.

**SpecChem is an American manufacturer, headquartered in the heartland, supplying the concrete construction network with high quality, industry-leading concrete construction materials.**

## Get In Touch



(816) 968-5600



[www.SpecChem.com](http://www.SpecChem.com)



1511 Baltimore Avenue, Suite 600  
Kansas City, MO 64108