



Your Concrete Solution



**SPEC**CHEM

**SPECHARD-INTRASEAL**

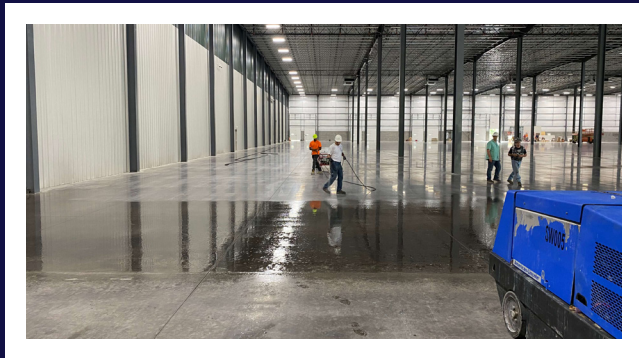
INDUSTRIAL CONCRETE FLOOR SYSTEM



**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 siliconate 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.





Raymore Commerce Center - Raymore, MO | **Jacor Contracting**



# 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 40°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

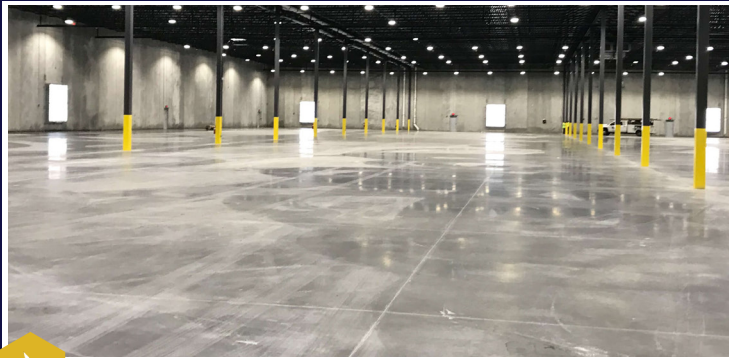
## **CONTINENTAL TIRE**

Charlotte, NC  
500,000 sq ft

## **SEALY POSTURPEDIC**

Hagerstown, MD  
600,000 sq ft

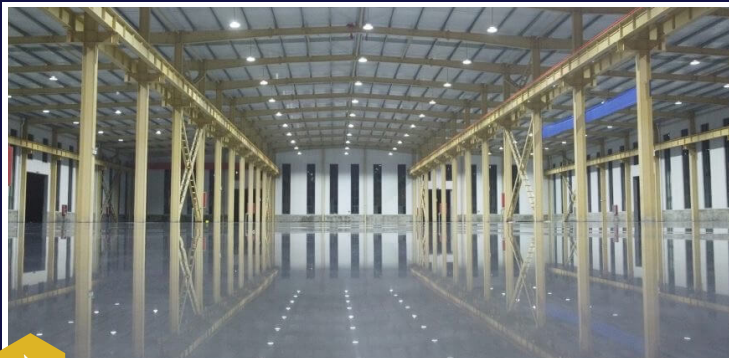
**UNION CROSS**  
Winston Salem, NC  
450,000 sq ft



TVH WAREHOUSE - OLATHE, KANSAS



FIRST SOLAR - TOLEDO, OHIO



WAREHOUSE - HONG KONG, CHINA



CAPITOL 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.

#### ADDRESS

1511 Baltimore Avenue  
Suite 600, Kansas City, MO 64108

#### CONTACT

P : 816.968.5600

#### ONLINE

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



- 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.



## 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 broom 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. Squeegee away excess and allow to dry

### USDA ACCEPTED



### SPECIFIC GRAVITY



### SKID RESISTANCE ASTM C-303



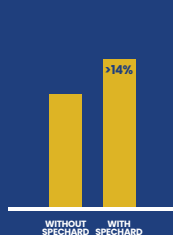
### APPLY IN TEMPS. OF 40°F-100°F



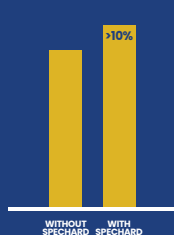
#### ASTM C-779 ABRASION RESISTANCE



#### ASTM C-140 COMPRESSIVE STRENGTH



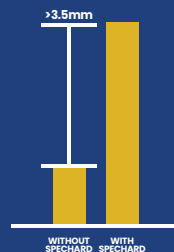
#### ASTM C-805 IMPACT RESISTANCE



#### ASTM C-642 REDUCED PERMEABILITY



#### DEPTH OF PENETRATION







ONE COMPLETE SYSTEM FOR ALL YOUR INDUSTRIAL FLOORING NEEDS.



**ORANGE PEEL**  
CLEANER / DEGREASER



**BERRY CLEAN**  
CLEANER / DEGREASER



**RAPID FLEX 90**  
POLYUREA CONTROL  
JOINT FILLER



**SPECFILM**  
EVAPORATION RETARDER



**SPECHARD**  
HARDENER DENSIFIER



**ALL SHIELD EX**  
WATER REPELLENT



**INTRAFILM**  
FINISHING AID



**SPECREZ**  
CONCRETE CURING  
COMPOUND



**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.**



MANUFACTURED IN USA

**SPEC-CHEM**  
Solution to Service

## Get In Touch



(816) 968-5600



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



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