



# INNOVATIVE PROTECTIVE COATINGS

FLOOR COATINGS CATALOG  
**2024**

# WORKING HARDER AND SMARTER TO PROVIDE HIGH-QUALITY, LONG-LASTING INNOVATIVE PROTECTIVE COATINGS THAT WORK AS HARD AS YOU DO.

**SIMIRON** has been developing products that help people protect their world for over 30 years. Whether it is residential, commercial, or industrial flooring, we have you covered.

Our products are manufactured using the highest quality raw materials to deliver high-performance results, plus they are user-friendly and ensure consistent results on the job site every time.

Trusted by thousands of customers and proudly made in the USA. **SIMIRON** is the manufacturer, innovator, technical support, and partner to companies worldwide.

At **SIMIRON**, we believe that your trust in us is our greatest reward. We stand behind our innovative protective coatings and are focused on providing high-quality products that will protect your world.

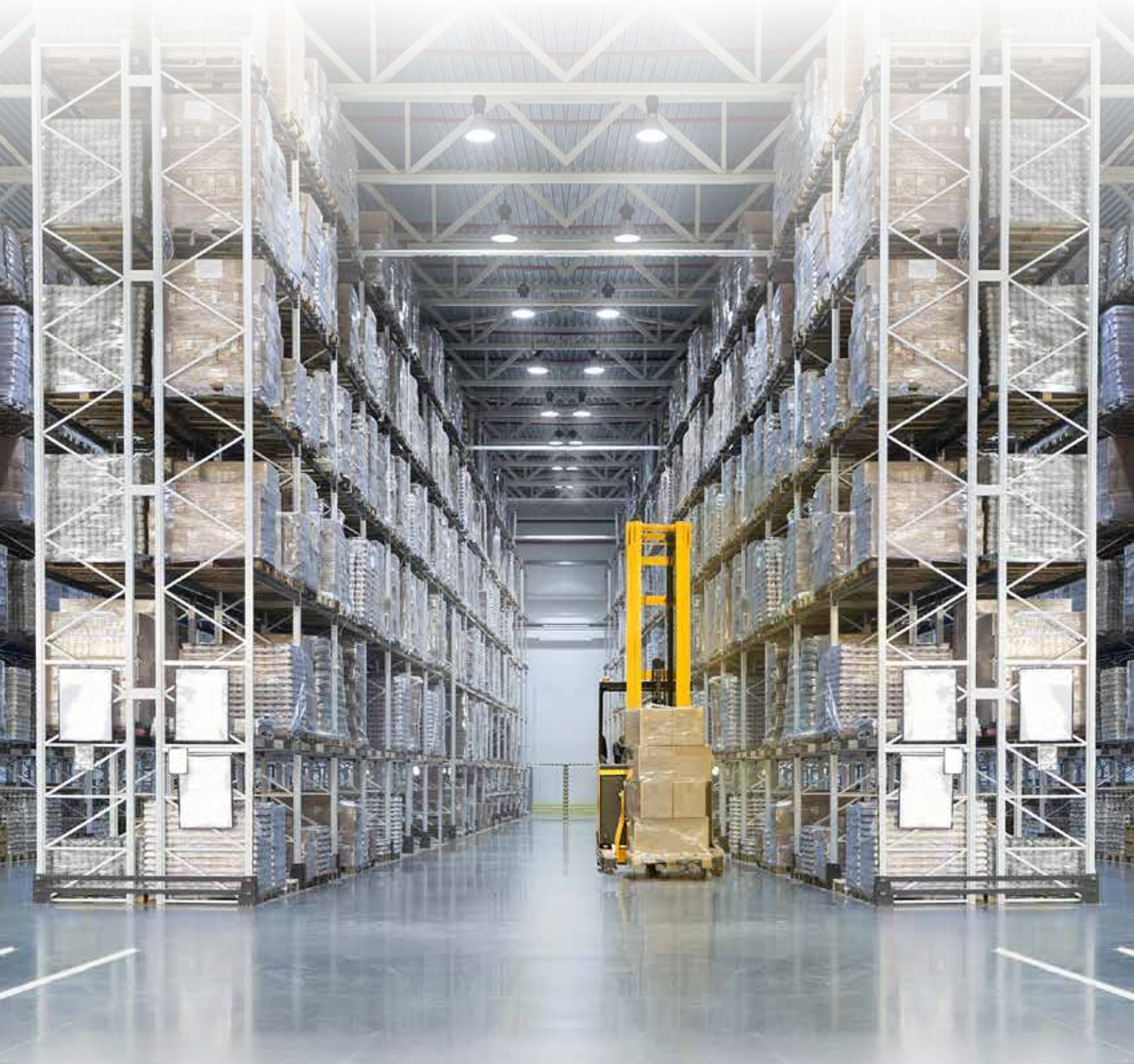
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# USA MADE

# INDUSTRIES WE ARE PROUD TO SERVE



  
**AEROSPACE**



  
**AUTOMOTIVE**



  
**EDUCATION**



  
**FOOD & BEVERAGE**



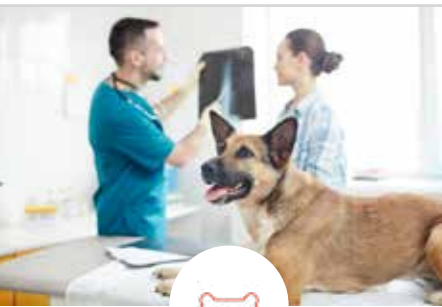
  
**GROCERY & RETAIL**




  
**HEALTHCARE**



  
**MANUFACTURING**



  
**PET CARE**



  
**PHARMACEUTICAL**




  
**RESIDENTIAL**



  
**FIRE/POLICE/RESCUE**



  
**ARENAS & STADIUMS**

**SIMIRON** develops and produces innovative protective coatings for the industry's most demanding professionals. Backed by more than a combined 100 plus years of coating innovation and experience, **SIMIRON** offers a broad portfolio of industry-leading, high-quality, durable and long-lasting products. With **SIMIRON** products, you can protect your clients' surfaces to stand up to anything. And stand out from everyone.



# CONCRETE + JOINT REPAIR

800CF  
INSTANT PATCH  
860JF  
POLYGROUT

SCAN TO  
SEE PRODUCTS



SIMIRON.COM

PRODUCTS USED: **POLYGROUT**  
INSTALL COMPANY: **CREATIVE FLOORING**



## 800CF EPOXY CRACK FILLER

SIMIRON 800CF is an easy-to-use two-component, 100% solids epoxy concrete crack filler. This formula is thickened for ease-of-use to repair cracks, holes, and damaged concrete on vertical or horizontal surfaces.

### FEATURES + BENEFITS:

- Seamless Repairs
- Easy-to-Mix 1:1 Ratio
- Excellent Adhesion
- Sag-resistant
- 100% Solids Formula
- Virtually Odor-free
- VOC Compliant

### RECOMMENDED USES:

- Concrete
- Warehouses
- Retail
- Industrial
- Commercial
- Garages
- Residential Homes



### COLOR:



GRAY

### ATTRIBUTES:



**COMPRESSIVE STRENGTH:**  
> 8,500 psi



**HARDNESS:**  
Shore D: > 65



**VOC:**  
< 50 g/L



**CURE TIME:**  
Work Time: 20 mins  
Tack Free: 45 mins



**TENSILE STRENGTH:**  
> 6,000 psi

## INSTANT PATCH POLYUREA CRACK FILLER

SIMIRON INSTANT PATCH is a two-component, 100% solids polyurea crack filler. This fast-curing formula allows for quick concrete repair to cracks, joints, holes, and other damaged concrete surfaces. INSTANT PATCH is a highly durable structural repair material that provides long-lasting results.

### FEATURES + BENEFITS:

- Return to Service in 10 Minutes
- No Odor
- Easy-to-Mix 1:1 Ratio
- Excellent Adhesion
- Pourable; Self-Leveling
- Impact Resistant
- Can Be Applied in Temperatures as Low as 0°F (-18°C)
- Grindable in 20 minutes
- Fast Drying
- Solvent-Free Formula

### RECOMMENDED USES:

- Concrete
- Warehouses
- Retail
- Industrial
- Commercial
- Garages
- High Traffic Area Spalls and Crack Repairs
- Grade Matching
- Floor Repair and Reconditioning



### COLOR:



GRAY

### ATTRIBUTES:



**COMPRESSIVE STRENGTH:**  
> 5,500 psi



**HARDNESS:**  
Shore D: > 75



**VOC:**  
0 g/L



**CURE TIME:**  
Gel Time: 2 - 3 mins  
Traffic Ready: 10 mins  
Grindable: 20 mins



**TENSILE STRENGTH:**  
5,500 psi



## 860JF POLYUREA JOINT FILLER

SIMIRON 860JF is a high performance, semi-rigid polyurea used for filling control and construction joints in concrete floors. 860JF is 100% solids, VOC-free system that features a fast-setting formula, provides excellent UV resistance, is moisture insensitive and offers a large shave-time window. 860JF supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges.

### FEATURES + BENEFITS:

- Fast Setting Formula
- Easy-to-Shave
- Protects Joints from Debris and Damage from Heavy Traffic
- Large Shave-time Window
- Excellent UV Resistance
- Self-leveling, Low Viscosity System
- Low Temperature Applications as Low as -25°F (-32°C)
- Moisture Insensitive; No Bubbles/Foaming When Used in Damp Joints
- Acceptable in USDA Inspected Facilities
- Complies with ACI 302 Regarding Control and Construction Joint Fillers

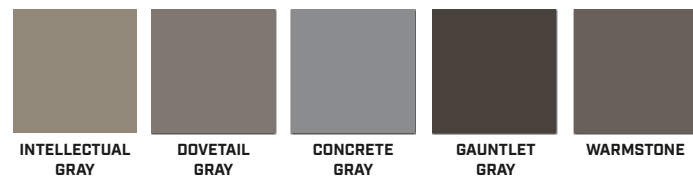
### RECOMMENDED USES:

- Warehouses
- Manufacturing
- Food and Beverage
- Concrete Polishing
- Concrete Construction and Control Joints
- Crack and Joint Repair for Old Floors
- Industrial and Commercial Floors
- Freezer Floors



### COLORS\*:

\* Custom colors available



### ATTRIBUTES:



**CURE TIME:**  
Gel Time: 30 seconds  
Shave Ready: 30 mins  
Traffic Ready: 2 hours



**HARDNESS:**  
Shore A: 88



**VOC:**  
0 g/L



**ELONGATION:**  
250%



**TENSILE STRENGTH:**  
> 1,300 psi

## POLYGROUT HYBRID POLYUREA / POLYURETHANE

SIMIRON POLYGROUT is a two-component hybrid polyurea/polyurethane designed for repairing concrete prior to application of a coating or concrete polishing. POLYGROUT has excellent work time and a fast return to service allowing it to be grindable in less than one hour. POLYGROUT will fill and repair pores, pinholes, pitting, cracks, scratches, and gouges in the concrete. In addition, it can also be mixed with sand and cement to create a repair mortar.

### FEATURES + BENEFITS:

- 100% Solids
- Low Viscosity
- Easy 1:1 Mix Ratio
- Extended Working Time
- Grindable in 1 hour
- Improves Gloss and DOI of Polished Concrete
- Low Odor
- Moisture Resistant
- Walkable in 20 minutes

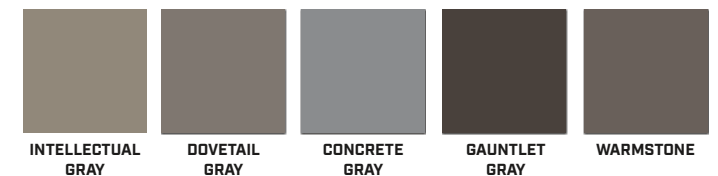
### RECOMMENDED USES:

- Concrete
- Polished Concrete
- Garages
- Warehouses
- Retail
- Cementitious Overlays
- Cementitious Terrazzo
- Terrazzo Floors



### COLORS\*:

\* Custom colors available



### ATTRIBUTES:



**COMPRESSIVE STRENGTH:**  
6,500 psi



**HARDNESS:**  
Shore D: 75



**VOC:**  
< 50 g/L



**CURE TIME:**  
Working: 15 - 20 mins  
Walkable: 20 mins  
Grindable: 60 mins



**TENSILE STRENGTH:**  
4,500 psi



**SIMIRON™**

# ▶ URETHANE CEMENT

SIMCRETE

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](http://SIMIRON.COM)



## SIMCRETE URETHANE CEMENT

SIMIRON SIMCRETE is a three-component, self-leveling urethane cement often able to be installed without seams. SIMCRETE flooring systems deliver excellent thermal, chemical, abrasion, and impact resistance in the harshest of environments. All featured systems use polyaspartic to lock in the broadcast, which provides UV stability and resistance to a wide range of chemicals. Surface texture and topcoat options can be customized to meet individual project requirements.

### FEATURES + BENEFITS:

- Self-leveling
- Thermal Shock Resistance
- Wide Service Temperature, -40 °F (-40 °C) to 250 °F (121 °C)
- Hot Cooking Oil and Steam Resistance
- Excellent Chemical and Abrasion Resistance
- Can Be Applied to New Concrete
- Impact Resistant
- Excellent Moisture Resistance
- VOC Compliant Nationwide
- Slip Resistant

### RECOMMENDED USES:

- Manufacturing
- Chemical Manufacturing
- Pharmaceutical
- Food and Beverage
- Kitchens and Bakeries
- Breweries and Wineries
- Wet Process and Packaging



**UTINT**  
COMPATIBLE

### COLORS:



### ATTRIBUTES:



**ABRASION RESISTANCE:**  
30 mg



**COMPRESSIVE STRENGTH:**  
> 8,200 psi



**IMPACT STRENGTH:**  
> 160 lbs/inch



**THERMAL SHOCK RESISTANT**



**ADHESION:**  
> 350 psi



**FLEXURAL STRENGTH:**  
> 2,500 psi



**TENSILE STRENGTH:**  
> 1,000 psi



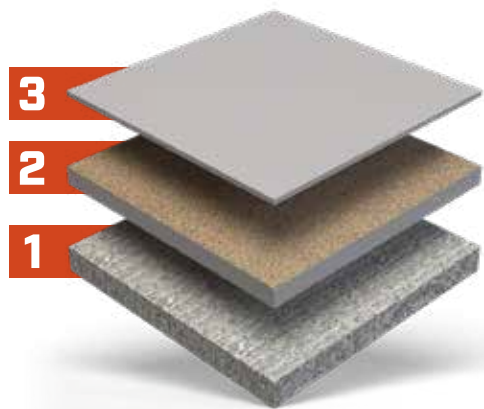
**VOC:**  
< 50 g/L



# URETHANE CEMENT SYSTEMS

## SIMCRETE SL

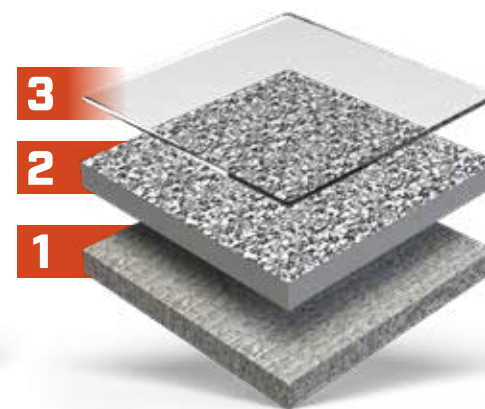
- 3/16" Total System Thickness
- Silica Sand Broadcast
- Slip-resistant Texture
- Value System
- Heavy Duty



- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SL, GRAY & SILICA SAND
- 3 TOPCOAT:** POLYASPARTIC HS, LIGHT GRAY

## SIMCRETE SL FLAKE

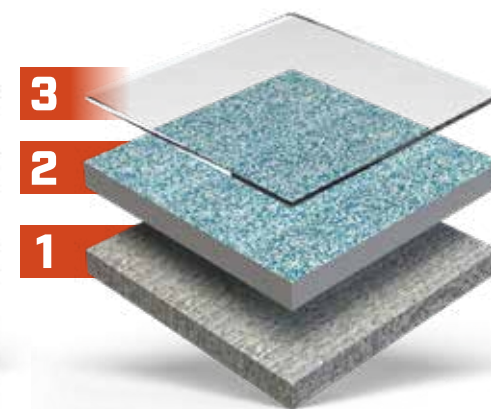
- 3/16" Total System Thickness
- Decorative Chip Broadcast
- Heavy Duty



- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SL, PIGMENTED & DECORATIVE CHIP
- 3 TOPCOAT:** POLYASPARTIC HS, CLEAR

## SIMCRETE SL QUARTZ

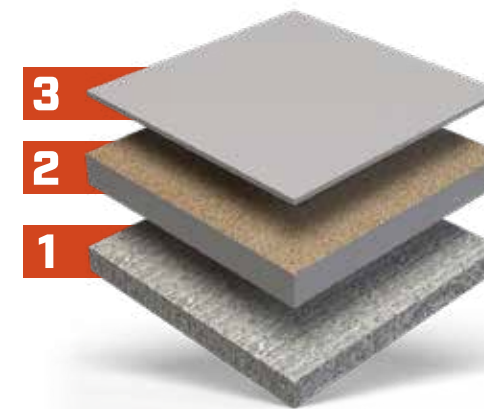
- 3/16" Total System Thickness
- Decorative Quartz Broadcast
- Slip-resistant Texture
- Heavy Duty



- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SL, PIGMENTED & COLORED QUARTZ
- 3 TOPCOAT:** POLYASPARTIC HS, CLEAR

## SIMCRETE SF

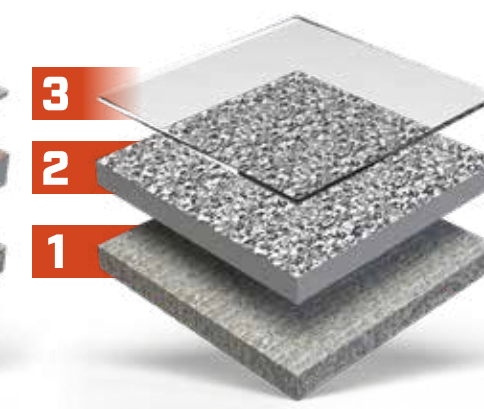
- 1/4" Total System Thickness
- Silica Sand Broadcast
- Slip-resistant Texture
- Value System
- Extreme Environments



- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SF, GRAY & SILICA SAND
- 3 TOPCOAT:** POLYASPARTIC HS, LIGHT GRAY

## SIMCRETE SF FLAKE

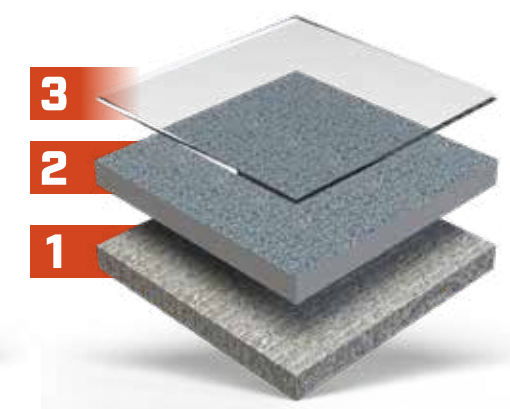
- 1/4" Total System Thickness
- Decorative Chip Broadcast
- Extreme Environments



- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SF, PIGMENTED & DECORATIVE CHIP
- 3 TOPCOAT:** POLYASPARTIC HS, CLEAR

## SIMCRETE SF QUARTZ

- 1/4" Total System Thickness
- Decorative Quartz Broadcast
- Slip-resistant Texture
- Extreme Environments



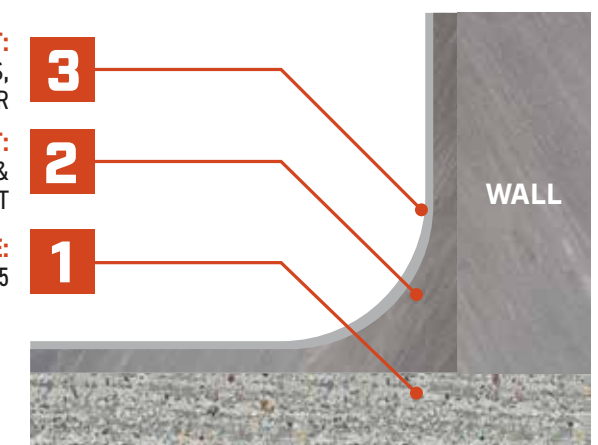
- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE SF, PIGMENTED & COLORED QUARTZ
- 3 TOPCOAT:** POLYASPARTIC HS, CLEAR



## SIMCRETE CB

- Cove Along Walls
- Used with All Urethane Cement Systems
- Broadcast Media to Match System
- Different Styles
- Durable

- 1 PREPARED SUBSTRATE:** CSP 3 - 5
- 2 OVERLAY/BROADCAST:** SIMCRETE CB, GRAY OR CLEAR & BROADCAST
- 3 TOPCOAT:** POLYASPARTIC HS, LIGHT GRAY OR CLEAR





**SIMIRON™**

# PRIMERS

1000HS  
MVB

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](https://www.simiron.com)

PRODUCTS USED: **1000 HS**  
INSTALL COMPANY: **NATIONWIDE INDUSTRIAL COATINGS**



# 1000HS PRIMER

## 100% SOLIDS EPOXY PRIMER

SIMIRON 1000HS PRIMER is a 100% solids, zero VOC, blush resistant, and low viscosity epoxy primer that delivers excellent surface wetting, penetration, and extended open time to help seal concrete pores to reduce outgassing and promote adhesion. This easy-to-apply primer is ideal for use with other SIMIRON coatings, including DECORATIVE CHIP and METALLIC ADDITIVE systems.

### FEATURES + BENEFITS:

- 100% Solids
- Easy-to-Apply
- Low Viscosity
- Low Odor
- Zero VOC
- Excellent Adhesion
- Seals Porous Concrete
- Reduces Pinholes, Fish-eyes, Craters, and Outgassing of Topcoats
- U-Tint Compatible

### RECOMMENDED USES:

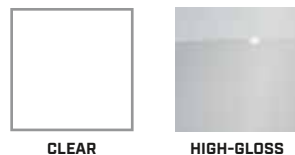
- New and Old Concrete
- Use as a Primer Under all SIMIRON EPOXY BASECOATS

**COVERAGE:** 200 - 533 sq. ft. / gallon



**UTINT**  
COMPATIBLE

### COLOR: FINISH:



### ATTRIBUTES:



**100% SOLIDS**



**COMPRESSIVE STRENGTH:**  
9,000 psi



**HARDNESS:**  
Shore D: 75



**VOC:**  
0 g/L



**ADHESION:**  
> 400 psi



**FLEXURAL STRENGTH:**  
6,000 psi



**TENSILE STRENGTH:**  
3,000 psi

# MVB

## MOISTURE VAPOR BARRIER PRIMER

SIMIRON MVB is a 100% solids, two-component, epoxy primer designed for concrete floors with severe moisture vapor transmission (MVT) problems. This primer is applied directly to concrete to reduce the adhesion and blister effects of MVT. MVB is resistant to MVT up to 20 lbs. per 1000 sq. ft. in 24 hours per ASTM F1869 or 95% relative humidity (RH) per ASTM F2170.

### FEATURES + BENEFITS:

- Exceeds ASTM E-96 Permeability Rating
- Reduces the Effects of MVT
- Excellent Adhesion to Damp Concrete
- VOC Compliant Nationwide
- Low Odor
- Low Viscosity
- U-Tint Compatible

### RECOMMENDED USES:

- Green Concrete
- New and Old Concrete
- Damp Concrete
- Basement Floors
- Garages
- Decorative Flooring
- MVT Underlayment for Wood, Carpet, Tile and Other Flooring Systems
- Under all Simiron Coating Systems Where MVT is Desired

**COVERAGE:** 100 sq. ft. / gallon



**UTINT**  
COMPATIBLE

### COLOR: FINISH:



### ATTRIBUTES:



**100% SOLIDS**



**COMPRESSIVE STRENGTH:**  
> 11,000 psi



**HARDNESS:**  
Shore D: > 75



**PERMEANCE:**  
.064



**VISCOSITY:**  
1,500 cP



**ADHESION:**  
> 400 psi



**FLEXURAL STRENGTH:**  
> 12,000 psi



**MOISTURE-VAPOR BARRIER:**  
Shield Protection



**TENSILE STRENGTH:**  
> 9,000 psi



**VOC:**  
0 g/L

**SIMIRON™**

# BASECOATS

1100SL

1150FC

POLYUREA

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](http://SIMIRON.COM)



# 1100SL

## 100% SOLIDS EPOXY SELF-LEVELING BASECOAT

SIMIRON 1100SL is a high performance, 100% solids, cyclo-aliphatic, self-leveling general-purpose epoxy. 1100SL is available in three different cure speeds—**SLOW**, **MEDIUM**, and **FAST**, providing versatility for different environmental conditions. Designed to be used over sealed concrete where high-build and durability are needed for the toughest environments.

1100SL is recommended for indoor applications and can be used for clear, solid color, quartz, flake, metallic and non-slip coatings.

### FEATURES + BENEFITS:

- Self-Leveling
- 100% Solids
- Low Viscosity
- Excellent Chemical and Abrasion Resistance
- Excellent Adhesion
- Durable
- Impact Resistance
- High Gloss
- Easy-to-Maintain
- Low VOC
- U-Tint Compatible

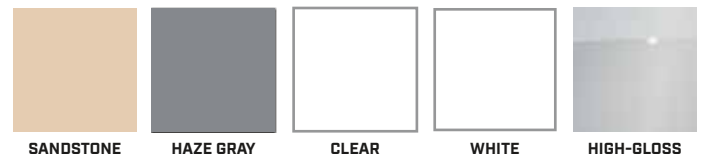
### RECOMMENDED USES:

- New and Old Concrete
- Manufacturing Plants
- Warehouses
- Garages
- Shop Floors
- Arenas
- Automotive Service
- Aerospace
- Showrooms
- Restaurants



**UTINT**  
COMPATIBLE

### COLORS:



### FINISH:

### ATTRIBUTES:



**100% SOLIDS**



**ADHESION:**  
> 400 psi



**COMPRESSIVE STRENGTH:**  
> 11,000 psi



**FLEXURAL STRENGTH:**  
> 12,000 psi



**HARDNESS:**  
Shore D: 75



**TENSILE STRENGTH:**  
> 9,600 PSI



**TABER ABRASION:**  
50



**GLOSS:**  
> 90°



**VOC:**  
< 50 g/L



# 1150FC

## 100% SOLIDS FAST-CURE EPOXY

SIMIRON 1150FC is a high-performance, fast-cure, 100% solids, epoxy primer designed for use as a basecoat for 1-day full flake floors. It provides excellent adhesion direct to concrete and withstands up to 12 lbs. of moisture vapor per 1,000 sq. ft. in 24 hours per ASTM F1869 or 85% RH per ASTM F2170. In a single coat 1150FC can be applied in temperatures as low as 35° F and has a typical set time of < 2 hours at 72°F.

### FEATURES + BENEFITS:

- Fast Curing
- Low Temperature Application
- Reduces the Effects of MVT
- 100% Solids
- Excellent Adhesion
- Impact Resistant
- U-Tint Compatible

### RECOMMENDED USES:

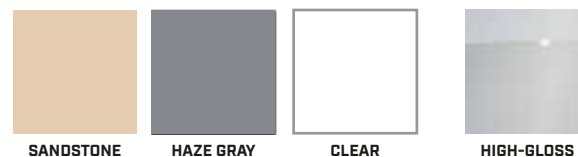
- 1-Day Floors
- Garages
- New and Old Concrete
- Damp Concrete
- Warehouses
- Showrooms
- Arenas
- Manufacturing
- Shop Floors

**COVERAGE:** 100 sq. ft. / gallon



**U-TINT  
COMPATIBLE**

### COLORS:



### FINISH:

### ATTRIBUTES:



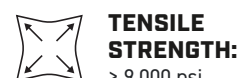
**100% SOLIDS**



**COMPRESSIVE STRENGTH:**  
> 10,000 psi



**HARDNESS:**  
Shore D: 75



**TENSILE STRENGTH:**  
> 9,000 psi



**VOC:**  
0 g/L



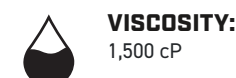
**ADHESION:**  
> 400 psi



**FLEXURAL STRENGTH:**  
> 9,000 psi



**MOISTURE-VAPOR BARRIER:**  
Shield Protection



**VISCOSITY:**  
1,500 cP

# POLYUREA

## RAPID CURE BASECOAT

SIMIRON POLYUREA is a high performance, two-component, rapid-cure coating with excellent adhesion to concrete. POLYUREA is available in three different speeds—**SLOW**, **MEDIUM**, and **FAST** to complete a 1-day full flake broadcast flooring system in a variety of temperatures. POLYUREA is designed to receive a full broadcast of flake in interior systems that are sealed with POLYASPARTIC HS topcoat.

### FEATURES + BENEFITS:

- Rapid Cure
- High Solids
- No Odor
- Excellent Adhesion
- Flexible
- High Impact Resistance
- Great Coverage
- Low Temp Cure

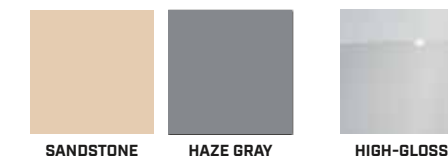
### RECOMMENDED USES:

- 1-Day Floors
- Garages
- Basements
- Restaurants
- Arenas
- New and Old Concrete
- Showrooms

**COVERAGE:** 200 - 267 sq. ft. / gallon



### COLORS:



### FINISH:

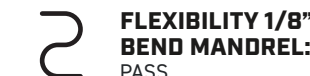
### ATTRIBUTES:



**95% SOLIDS**



**CURE TIME:**  
Work Time: 10 - 20 mins  
Scrape Time: 30 - 90 mins



**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS



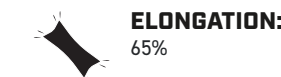
**TENSILE STRENGTH:**  
> 1,600 psi



**VOC:**  
< 50 g/L



**ADHESION:**  
> 400 psi



**ELONGATION:**  
65%



**HARDNESS:**  
Shore A: > 75

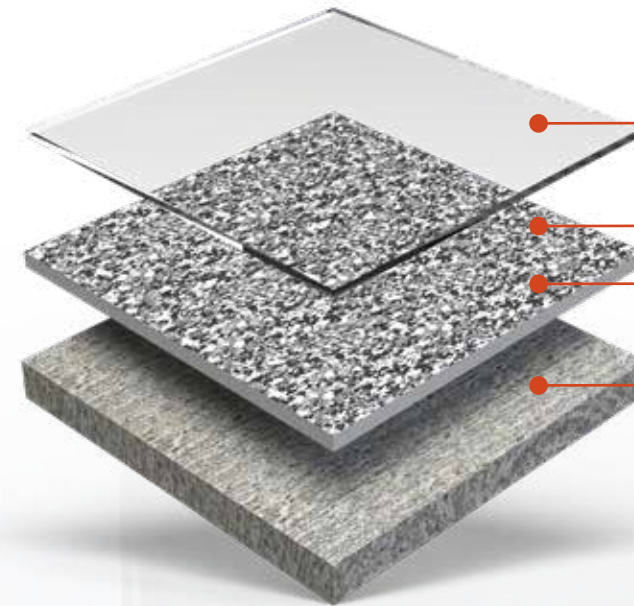


**VISCOSITY:**  
600 cP

# 1-DAY FLOORING SYSTEM

## SIMFLAKE SB 1-DAY

**SIMFLAKE SB 1-DAY** is a full broadcast flake flooring system that can be installed in one day, reducing labor costs and providing customers with a faster return to service in their space. This multi-layer system starts with a layer of basecoat, followed by a layer of decorative flake and a layer of protective polyaspartic topcoat. The basecoat layer has a choice of **1150FC, POLYUREA, or POLYASPARTIC HS** depending on the application needs. The featured system has a high-gloss finish that is UV stable, but optional satin and non-skid textures are available.

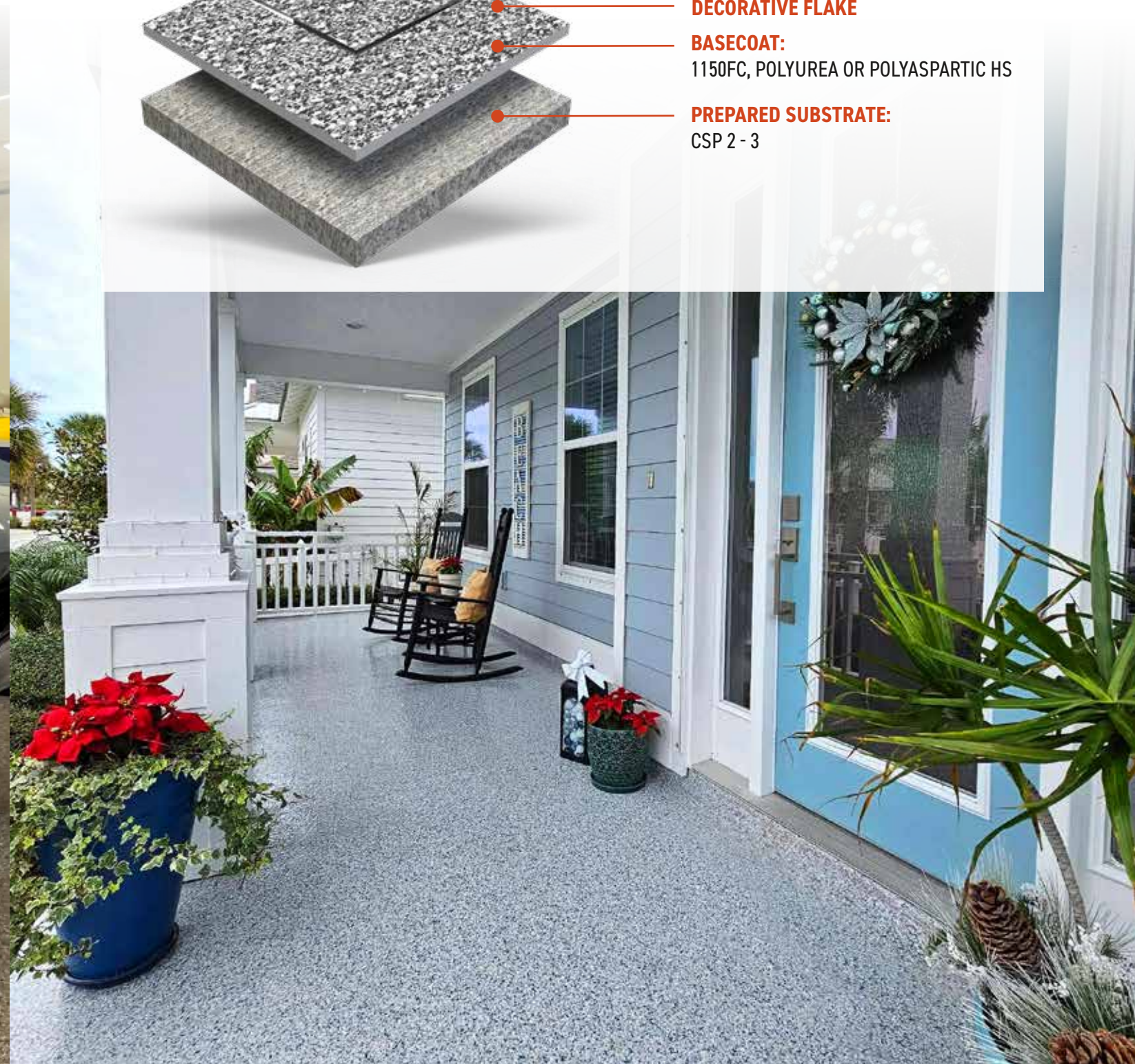
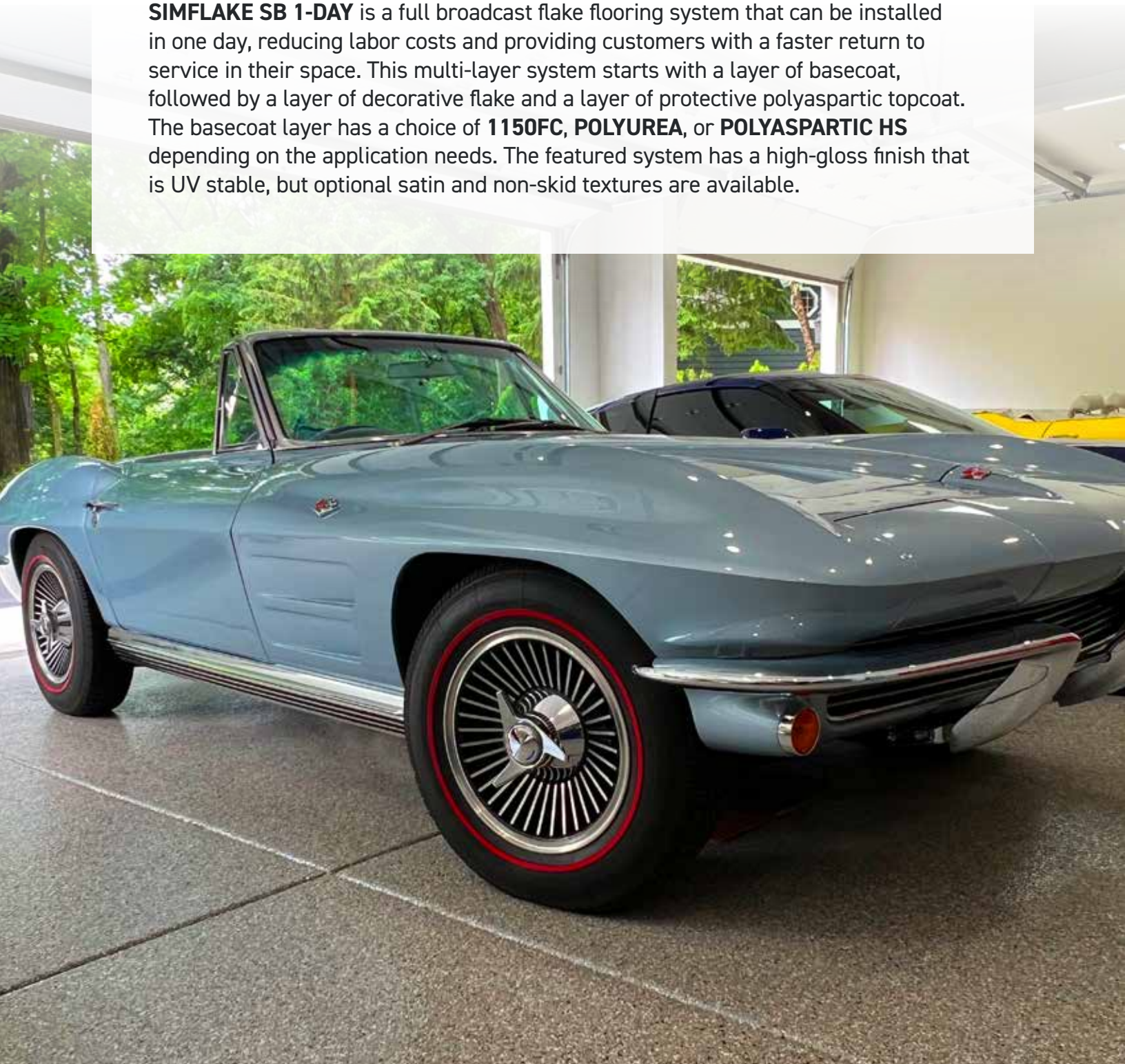


**TOPCOAT:**  
POLYASPARTIC HS

**DECORATIVE FLAKE**

**BASECOAT:**  
1150FC, POLYUREA OR POLYASPARTIC HS

**PREPARED SUBSTRATE:**  
CSP 2 - 3





# TOPCOATS

- 971EPS
- POLYASPARTIC HS
- SIMTHANE HWU
- SIMTHANE ESD
- SIMTHANE WB

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](http://SIMIRON.COM)

PRODUCTS USED: **971EPS-SATIN**  
INSTALL COMPANY: **ULTIMATE COATINGS**





## 971EPS HIGH SOLIDS EPOXY SILOXANE

SIMIRON 971EPS is a two-component, high-solids, low-VOC epoxy siloxane floor coating that provides superior resistance against abrasion, chemicals, corrosion, UV exposure, and weathering. 971EPS provides the benefits of a high-performance epoxy and polyurethane in one coating, plus it is free from isocyanates.

### FEATURES + BENEFITS:

- Excellent Abrasion and Chemical Resistance
- Excellent UV Stability
- Low Odor
- Excellent Acid and Corrosion Resistance
- High Solids, Low VOC
- Isocyanate Free
- Available in Gloss or Satin
- Excellent Coverage

### RECOMMENDED USES:

- Chemical Manufacturing
- Chemical Storage/Laboratories
- Industrial Floors
- Restaurants and Bars
- Showroom Floors
- Residential Areas
- Schools and Universities
- Retail Shops
- Cafeterias
- Lobby/Office Areas










**COVERAGE:** up to 320 - 535 sq. ft. / gallon



### COLOR: FINISHES:



### ATTRIBUTES:

 <b>HIGH SOLIDS</b> 83%	 <b>ABRASION RESISTANCE:</b> 40 mg loss
 <b>ADHESION:</b> > 400 psi	 <b>CHEMICAL RESISTANT</b>
 <b>CURE TIME:</b> Work Time: 25 mins Tack Free: 3 - 5 hours Traffic Ready: 16 hours	 <b>GLOSS:</b> 90°
 <b>HARDNESS:</b> Shore D: 70	 <b>UV RESISTANT</b>
 <b>VOC:</b> < 100 g/L	

## POLYASPARTIC HS HIGH-PERFORMANCE FLOOR COATING

SIMIRON POLYASPARTIC HS is a two-component, high-performance, aliphatic polyaspartic floor coating designed for application over full broadcast systems. Available in **SLOW**, **MEDIUM**, and **FAST** speeds to cover a wide range of application temperature and cure time needs. It provides superior protection through its excellent adhesion, durability, and resistance to stains, chemicals, and damaging UV rays.

### FEATURES + BENEFITS:

- Easy-to-Clean, High Gloss Finish
- Resists Abrasions and Scratches
- Superior Chemical Resistance
- User-Friendly Polyaspartic, 1:1 Mix Ratio
- Fast Return-to-Service
- High Solids, Low Odor
- UV Stable

### RECOMMENDED USES:

- Garages and Auto Service Areas
- Restaurants, Bars and Cafeterias
- Sports Arenas/Stadiums
- Schools and Universities
- Corridors and Lobbies
- Kennels and Labs
- Locker Rooms/Restrooms
- Offices and General Rooms
- Exterior or Areas Exposed to UV
- Topcoat for Floors Broadcast to Refusal or Other Floor Systems

**COVERAGE:** up to 100 - 160 sq. ft. / gallon



**UTINT  
COMPATIBLE**

### COLOR: FINISH:



### ATTRIBUTES:

 <b>ABRASION RESISTANCE:</b> 30 mg loss	 <b>COEFFICIENT OF FRICTION:</b> > 0.50
 <b>ELONGATION:</b> > 5%	 <b>FLEXIBILITY 1/8" BEND MANDREL:</b> PASS
 <b>GLOSS:</b> > 90°	 <b>HARDNESS:</b> Shore D: > 70
 <b>TENSILE STRENGTH:</b> 4,000 psi	 <b>UV RESISTANT</b>



# SIMTHANE HWU HIGH-WEAR URETHANE

SIMIRON SIMTHANE HWU is a unique high-performance, three-component, high solids, low VOC urethane floor coating that provides superior resistance against abrasion, chemicals, corrosion, and UV exposure while imparting flexibility. This product is supplied as a clear topcoat that has a satin finish with a light, consistent texture and can be pigmented using U-TINTS.

### FEATURES + BENEFITS:

- Excellent Abrasion Resistance
- Exceptional UV Resistance
- Superior Chemical Resistance
- Flexible
- High Solids, Low Odor
- U-Tint Compatible

### RECOMMENDED USES:

- Topcoat for Epoxy Systems
- Industrial and Commercial Warehouses
- Manufacturing Facilities
- Automotive Service Areas
- High Traffic Areas
- Hangars
- Shop Floors
- Garages

**COVERAGE:** up to 600 sq. ft. / gallon



**UTINT  
COMPATIBLE**

### COLOR: FINISH:



CLEAR



SATIN

### ATTRIBUTES:

**96% SOLIDS**

**COEFFICIENT OF FRICTION:**  
0.60

**FLEXIBILITY 1/8" BEND MANDREL:**  
PASS

**TENSILE STRENGTH:**  
> 7,000 PSI

**VOC:**  
< 100 g/L

**ABRASION RESISTANCE:**  
12 mg loss

**CURE TIME:**  
Tack Free 5 hours  
Light Traffic 20 hours  
Heavy Traffic 48 hours

**IMPACT STRENGTH:**  
> 160 lbs/inch

**UV RESISTANT**



## SIMTHANE ESD ELECTROSTATIC DISSIPATIVE FLOORING

SIMTHANE ESD is a unique high-performance, four-component, high solids, low VOC urethane floor coating that provides static dissipative electrical properties (ESD). SIMTHANE ESD is translucent gray and must be mixed with U-TINT to yield a consistent, satin appearance with a light texture.

### FEATURES + BENEFITS:

- Electrostatic Discharge Control
- Exceptional UV Resistance
- Superior Chemical Resistance
- Flexible
- High Solids, Low Odor
- U-Tint Compatible

### RECOMMENDED USES:

- Electrical Assembly
- Circuit Board Handling
- Avionics Areas
- Static Sensitive Manufacturing Packaging
- Cleanrooms/Labs

**COVERAGE:** 600 sq. ft. / gallon



**U-TINT  
COMPATIBLE**

### FINISH:



SATIN

\*MUST BE TINTED WITH U-TINT OTHER THAN WHITE

### ATTRIBUTES:



**96%  
SOLIDS**



**COEFFICIENT  
OF FRICTION:  
0.60**



**HARDNESS:  
Pencil 4H**



**RESISTANCE:  
1x10<sup>8</sup> - < 1x10<sup>9</sup>  
ohms**



**UV  
RESISTANT**



**ABRASION  
RESISTANCE:  
12 mg loss**



**FLEXIBILITY 1/8"  
BEND MANDREL:  
PASS**



**IMPACT  
STRENGTH:  
> 160 lbs/inch**



**TENSILE  
STRENGTH:  
> 7,000 PSI**



**VOC:  
< 100 g/L**



## SIMTHANE WB WATER-BASED POLYURETHANE

SIMIRON SIMTHANE WB is a protective, self-crosslinking, single-component clear water-based polyurethane floor coating. It provides good chemical and UV resistance and is designed for interior applications only where a protective topcoat in different levels of sheen is required. SIMTHANE WB comes in satin, semi-gloss, and gloss.

### FEATURES + BENEFITS:

- Self-crosslinking
- Easy-to-Apply
- UV Resistant
- Fast Drying
- Excellent Abrasion Resistance
- Easy-to-Clean
- Low VOC
- No Odor

### RECOMMENDED USES:

- Interior
- Residential
- Basements
- Offices and Lobbies
- Schools and Universities
- Restaurants and Bars
- Tabletops

**COVERAGE:** 534 sq. ft. at 3 mils. / gallon  
321 sq. ft. at 5 mils. / gallon



### COLOR: FINISHES:



CLEAR



SATIN



SEMI-GLOSS



GLOSS

### ATTRIBUTES:



**ABRASION  
RESISTANCE:  
11 mg loss**



**FLEXIBILITY 1/8"  
BEND MANDREL:  
PASS**



**IMPACT  
STRENGTH:  
> 160 lbs/inch**



**UV  
RESISTANT**



**CURE TIME:**  
Tack Free < 60 min  
Foot Traffic < 6 hours  
Heavy Traffic 72 hours



**HARDNESS:  
Pencil 2B**



**TENSILE  
STRENGTH:  
> 6,000 psi**



**VOC:  
< 100 g/L**

# INDUSTRIAL SYSTEMS

## SIMFLOOR HB EPOXY

SIMFLOOR HB-EPOXY is a high-gloss and durable epoxy system designed to withstand abusive environments. This 2-layer system restores eroded floors to a high-gloss finish and can be top-coated with high-wear and chemical resistant topcoats for extra levels of protection.

## SIMFLOOR EPOXY SILOXANE

SIMFLOOR EPOXY SILOXANE is a chemical-resistant floor system that offers maximum surface protection commonly found in abusive environments. This low odor system offers abrasion, chemical, and UV resistance. The recommended topcoat finish is available in gloss or satin.

## SIMTHANE HWU

SIMTHANE HIGH-WEAR URETHANE system is based on a unique high performance, three-component, high solids, low VOC urethane floor coating that provides superior resistance against abrasion, chemicals and UV exposure. The topcoat, SIMTHANE HWU, comes neutral and has a satin finish with a light, consistent texture.

## SIMTHANE ESD

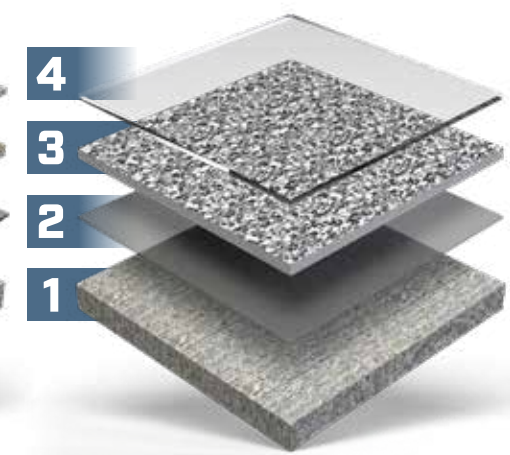
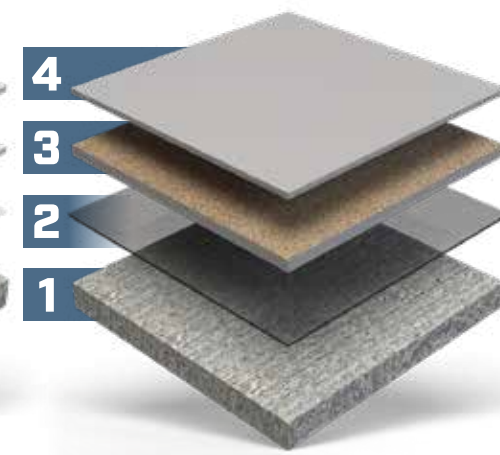
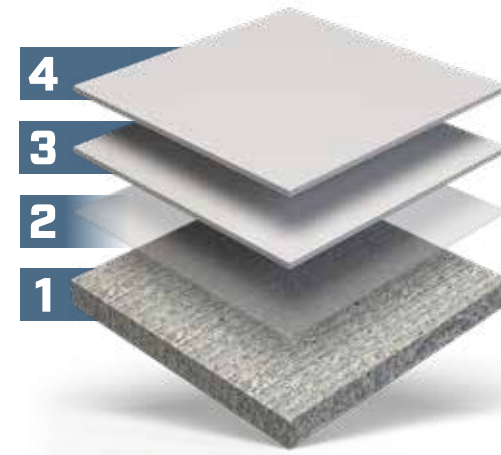
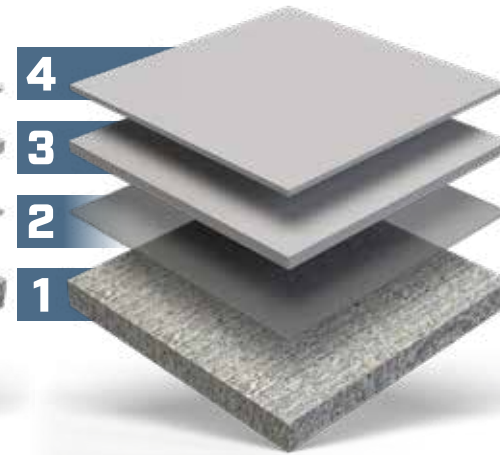
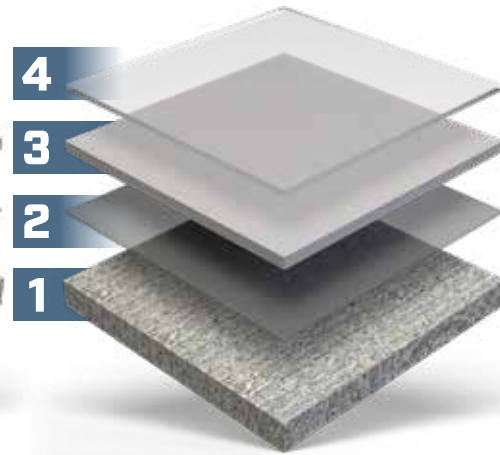
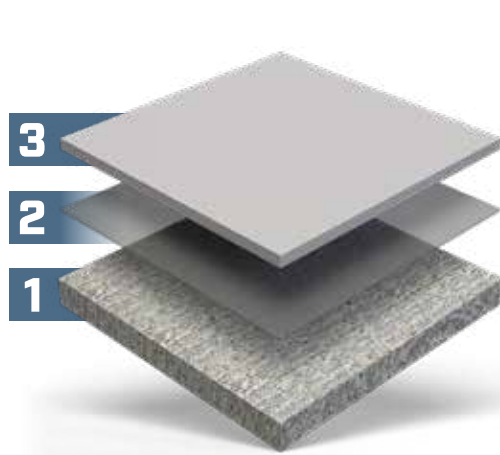
SIMTHANE ESD utilizes the same resin as HWU with a special filler that provides static dissipative electrical properties. SIMTHANE ESD urethane is translucent gray and must be mixed with U-TINT to yield a consistent, satin appearance with a light texture.

## SHOP FLOOR

SHOP FLOOR is an industry standard for protecting concrete in manufacturing/work zones. 1/16" SHOP FLOOR is slip resistant and used in areas subject to tough traffic. Our version locks in the single broadcast with a polyaspartic, which provides UV stability and chemical resistance.

## SIMFLAKE SB

SIMFLAKE SB is a single-broadcast floor system that utilizes DECORATIVE CHIP to achieve easy to maintain, long-lasting results. This three-layer system offers a variety of blends. The featured system has a gloss finish, but optional satin and non-skid texture is available. SIMFLAKE SB consists of a primer, basecoat, vinyl chip broadcast, and topcoat. The base system will produce an average nominal thickness of 60 mils.



**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER

**3** TOPCOAT:  
1100SL 100% SOLIDS EPOXY, PIGMENTED

**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER

**3** BASECOAT:  
1100SL 100% SOLIDS EPOXY

**4** TOPCOAT:  
971EPS HIGH SOLIDS EPOXY SILOXANE

**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER

**3** BASECOAT:  
1100SL 100% SOLIDS EPOXY

**4** TOPCOAT:  
SIMTHANE HWU, PIGMENTED

**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER

**3** BASECOAT:  
1100SL 100% SOLIDS EPOXY, PIGMENTED

**4** TOPCOAT:  
SIMTHANE ESD, PIGMENTED

**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER, CLEAR

**3** BASECOAT/BROADCAST:  
1100SL 100% SOLIDS EPOXY, PIGMENTED & SILICA SAND

**4** TOPCOAT:  
POLYASPARTIC HS, PIGMENTED

**1** PREPARED SUBSTRATE: CSP 3+

**2** PRIMER:  
1000HS 100% SOLIDS EPOXY PRIMER, CLEAR

**3** BASECOAT/BROADCAST:  
1100SL 100% SOLIDS EPOXY, PIGMENTED & DECORATIVE CHIP

**4** TOPCOAT:  
POLYASPARTIC HS





**SIMIRON™**

# COATING ADDITIVES

METALLIC ADDITIVE  
U-TINT  
30TEX  
50TEX  
DECORATIVE CHIP

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](https://www.simiron.com)

PRODUCTS USED: **METALLIC ADDITIVE**  
INSTALL COMPANY: **DON RESIN**



# METALLIC ADDITIVE

SIMIRON METALLIC ADDITIVE is an exotic pigment system that can be added to 1100SL 100% solids clear epoxy. When dispersed within the coating, the pigment creates a beautiful three-dimensional appearance that gives the illusion of waves, swirls and ripples.

The finished appearance of METALLIC FLOORING creates a vibrant pearlescent and iridescent finish. It can vary from gradual, subtle changes in color to more distinctive effects. Each project is truly unique.

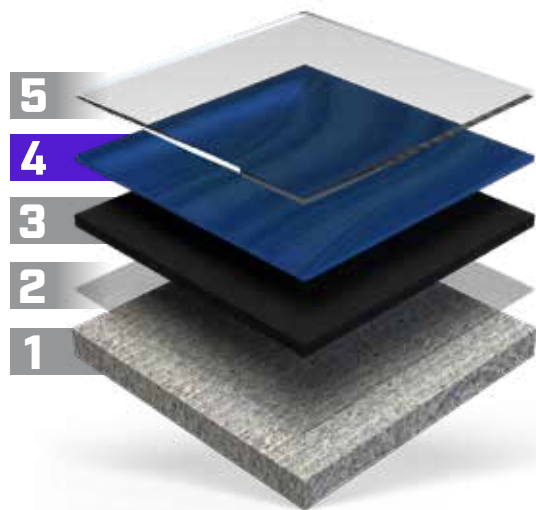
## FEATURES + BENEFITS:

- Vibrant Three-Dimensional Look
- Durable
- Easy-to-Use
- Trouble-free Cleaning
- Works with All Epoxy Floor Coatings

## RECOMMENDED USES:

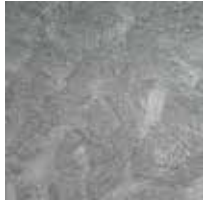
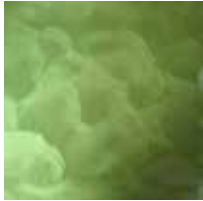









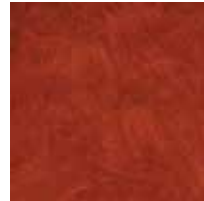


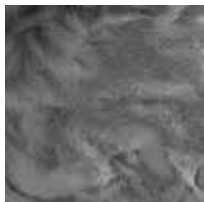

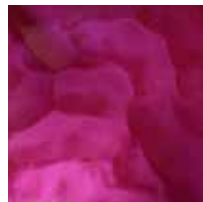

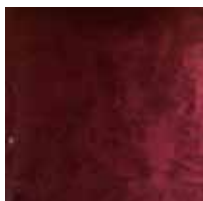



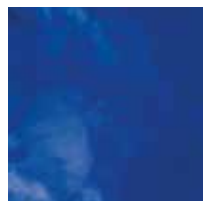





- Restaurants and Bars
- Showroom Floors
- Residential Homes
- Lobby/Office Areas
- Retail Shops
- Schools and Universities
- Basements
- Garages

### SIMFLOOR METALLIC SYSTEM



- 1 PREPARED SUBSTRATE:** CSP 3+
- 2 PRIMER:** 1000HS 100% SOLIDS EPOXY PRIMER, CLEAR
- 3 BASECOAT:** 1100SL 100% SOLIDS EPOXY WITH U-TINT PIGMENT PACK
- 4 METALLIC ADDITIVE:** 1100SL SLOW CURE WITH METALLIC ADDITIVE
- 5 TOPCOAT:** 971EPS HIGH SOLIDS EPOXY SILOXANE, SATIN

### COLOR SELECTIONS:

 ALUMINUM	 APPLE GREEN	 BLACK PEARL	 BRIGHT ORANGE	 BRIGHT WHITE	 BRONZE
 CABERNET	 CHARCOAL	 CHESTNUT BROWN	 COBALT	 COPPER	 CRIMSON
 DARK EMERALD	 GOLD RUSH	 GRAPHITE	 LUSTER BLUE	 MAGENTA	 MARIGOLD
 MERLOT	 OYSTER	 PEARL	 PISTACHIO	 ROYAL BLUE	 SAPPHIRE
 SCARLET	 SMOKE GRAY	 TEA GREEN	 VIOLET		

Additional metallic pigment color varieties may be available on [SIMIRON.COM](http://SIMIRON.COM)



# U-TINT UNIVERSAL PIGMENT PACKS

SIMIRON U-TINT is a line of universal pigment packs that are 100% solids, zero VOC and designed to easily mix into SIMIRON'S EPOXY, URETHANE and POLYASPARTIC coatings.

U-TINT packs exhibit excellent color consistency and stability for in-field tinting and application—allowing greater flexibility for applicators. All available in convenient pint-sized cans, U-TINT allows for tinting of multiple sizes of resin.



## FEATURES + BENEFITS:

- Excellent Color Stability
- 14 Color Options
- Low Viscosity
- Easy-to-Mix
- In-field Tinting
- Excellent Hiding Properties

## RECOMMENDED USES:

- SIMCRETE
- SIMTHANE HWU
- SIMTHANE ESD
- POLYASPARTIC HS
- 1000HS - 100% SOLIDS EPOXY PRIMER
- 1100SL - 100% SOLIDS EPOXY
- 1150FC - HYBRID POLYUREA-EPOXY
- MVB - MOISTURE VAPOR BARRIER

## COLOR SELECTIONS:



TAUPE



SANDSTONE



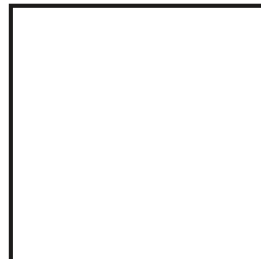
LIGHT GRAY



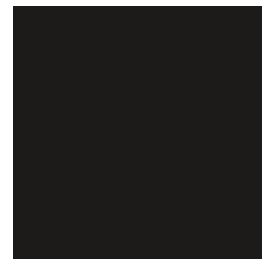
DECK GRAY



HAZE GRAY



WHITE



BLACK



TILE RED



SKY BLUE



SAFETY BLUE



SAFETY RED



SAFETY GREEN



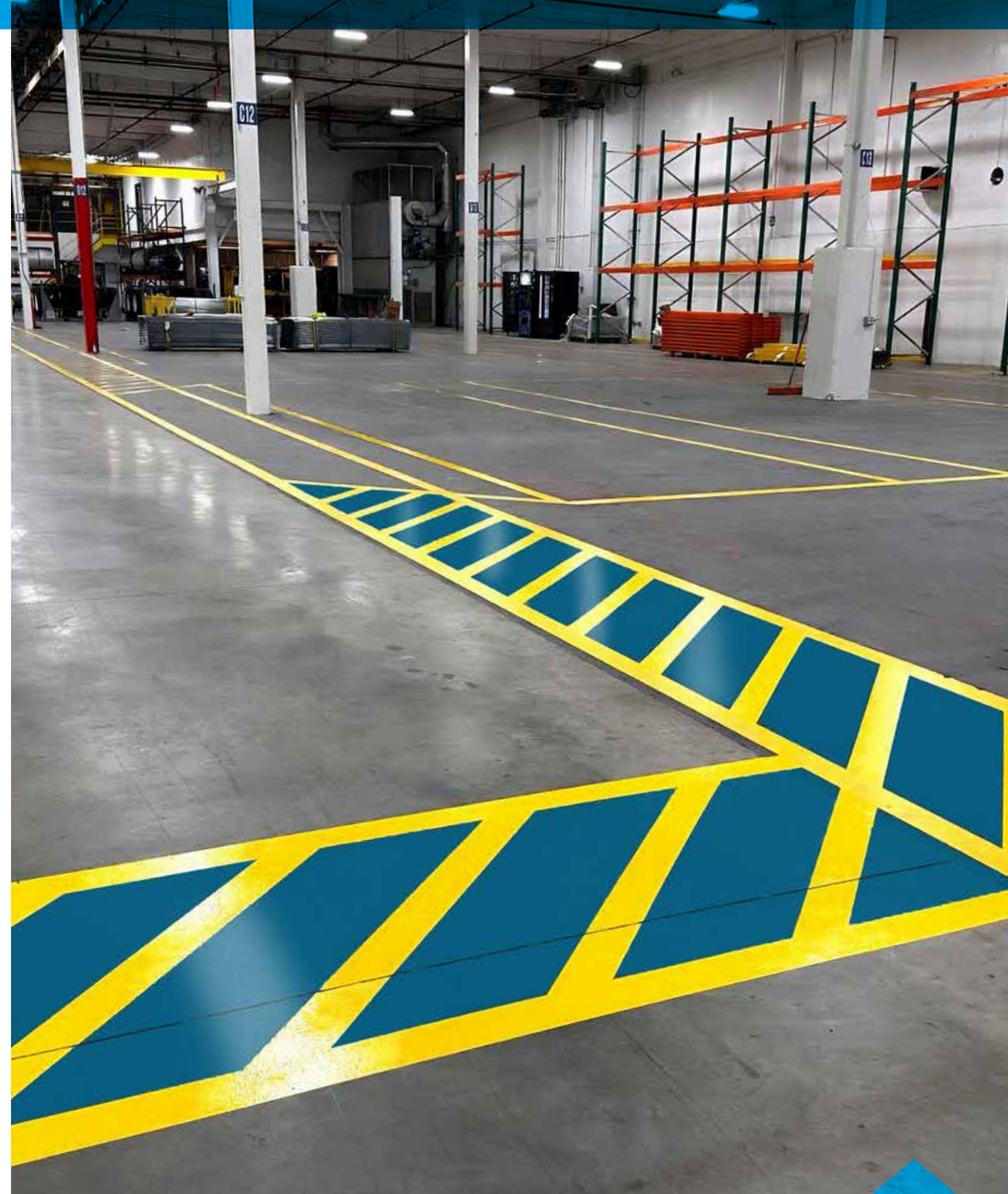
SAFETY ORANGE



SAFETY YELLOW



SCAN TO  
SEE PRODUCTS  
SIMIRON.COM



PRODUCTS USED: U-TINT—SAFETY YELLOW, SAFETY BLUE  
INSTALL COMPANY: MEGAFLEX COATINGS



## 30TEX & 50TEX SLIP-RESISTANT ADDITIVE

**SIMIRON TEX** is a stir-in additive available in two sizes, **30TEX** and **50TEX**, that provides a slip-resistant texture to **SIMIRON** floor coatings. A longer lasting surface is created by this product's ability to resist chemicals and detergents. **50TEX** measures 50 mesh and **30TEX** is larger at 30 mesh to cover a wide range of film thicknesses and texture needs.

**TEX** delivers a safer setting for home, commercial, and industrial settings. This additive works excellent for both interior and exterior surfaces and will not alter the color of the coating.

### FEATURES + BENEFITS:

- Increase Traction and Reduces Slip
- Add to Latex-based, Oil-based and Epoxy Coatings
- Add to Paints, Stains or Sealers
- Add to Simiron Coatings
- Easy to Incorporate and Maintain
- Spherical-shaped Particles Provide a Smoother Feel to Touch
- Does Not Increase Material Viscosity
- Stays Suspended in Coating

### RECOMMENDED USES:

- Concrete and Masonry Surfaces
- Areas that get Wet or Dusty
- Surfaces That Are Not Flat or Inclined
- Steps
- Garages
- Workshops



### COLOR: FINISH:



CLEAR



TEXTURED



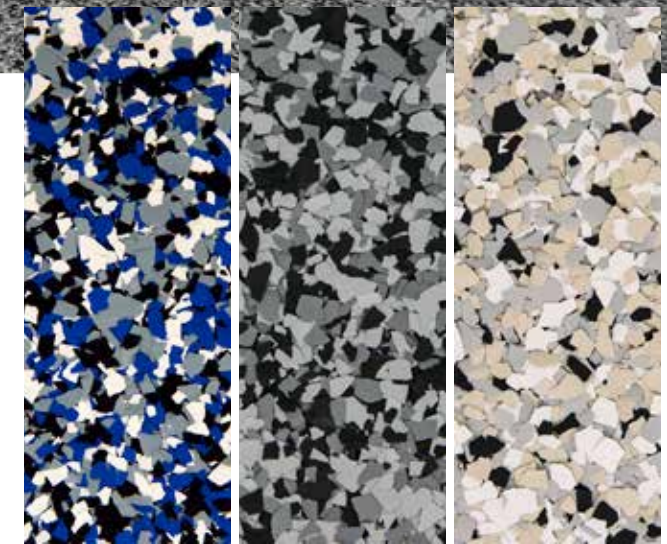


## DECORATIVE CHIP

**SIMIRON DECORATIVE CHIP** are UV stable vinyl paint chip flakes, composed of water-based resin materials and contains high-quality additives and color pigments. **DECORATIVE CHIP** is integrally colored and is produced in 1/4", 1/8" and 1/16" sizes.

**DECORATIVE CHIP** is designed for use in commercial, industrial and residential flooring applications and are available in a wide range of colors and popular blends.

Easy-to-maintain and customize, It is an economical flooring solution that naturally hides concrete imperfections while enhancing and protecting any decor.



### FEATURES + BENEFITS:

- Enhances Appearance
- Colorfast, UV Stable Pigments
- Improves Traction
- Easy-to-Maintain
- Hides Dirt and Debris
- Economical Flooring Solution
- Seamless Flooring
- Creates an Abstract, Terrazzo Appearance
- Random Shapes Naturally Hide Imperfections in Concrete
- Highly Customizable
- Easy-to-Use

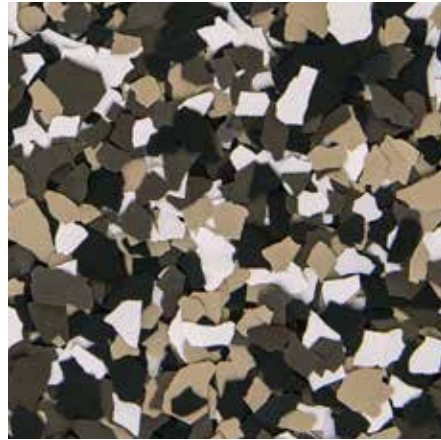
### RECOMMENDED USES:

- Garages and Basements
- Exterior Areas/Patios
- Auto Dealerships
- Schools and Universities
- Stadiums and Locker Rooms
- Restrooms and Concession Stands
- Retail Spaces
- Office Buildings
- Hospitals
- Manufacturing Facilities
- Pharmaceutical
- Cleanrooms
- Supermarkets
- Cafeterias



SCAN TO  
SEE PRODUCTS  
SIMIRON.COM

# DECORATIVE CHIP: SIGNATURE BLENDS



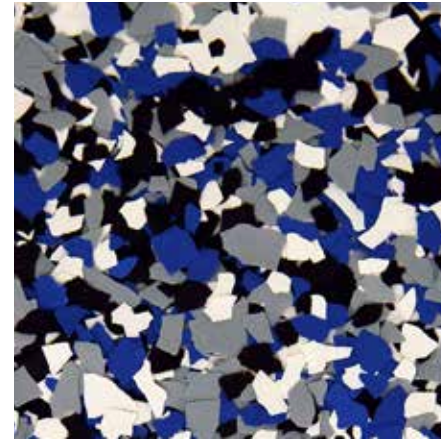
AUTUMN BROWN



CABIN FEVER



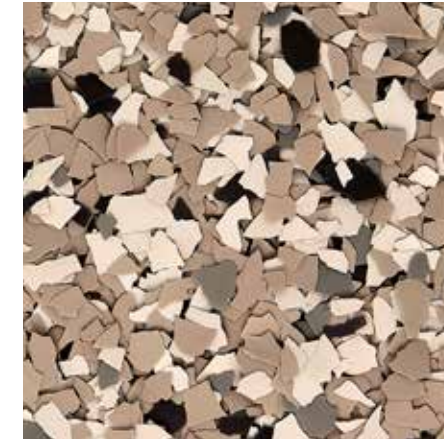
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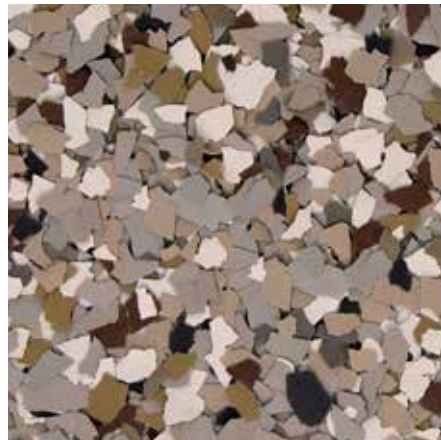
ORBIT



OUTBACK



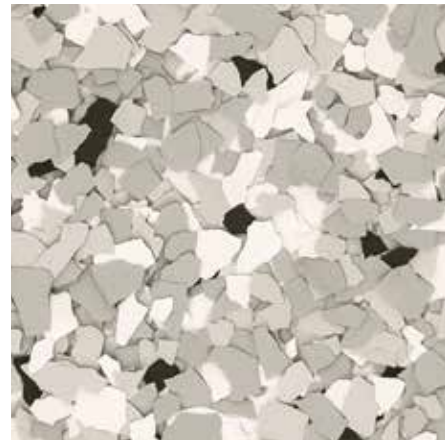
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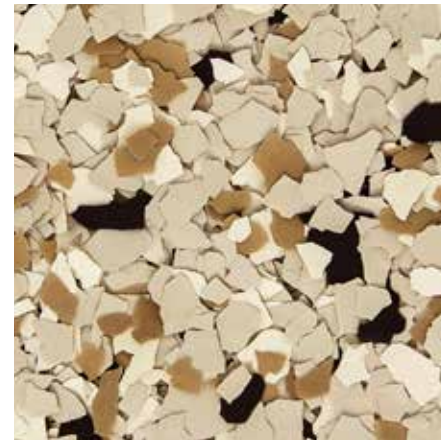
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DOMINO



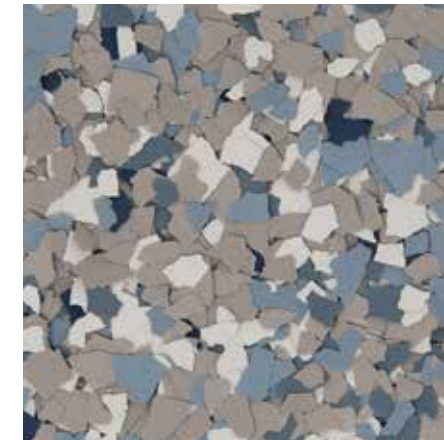
FEATHER GRAY



SHORELINE



STARGAZER



STONEWASH



GLACIER



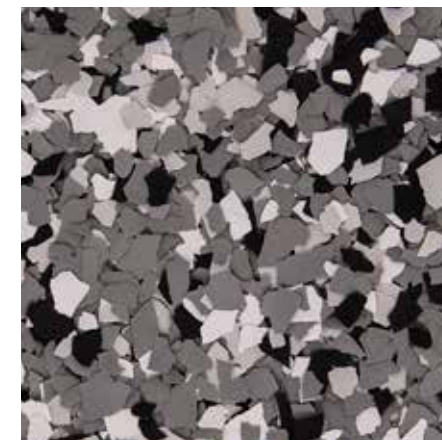
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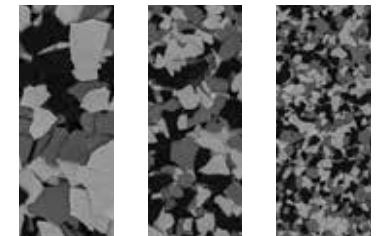


TIDAL WAVE



WOMBAT

### AVAILABLE SIZES:\*



1/4"  
CHIP

1/8"  
CHIP

1/16"  
CHIP

\*1/8" and 1/16" chip is special order.

Color samples are available upon request. 1/4" chip size pictured.  
Please contact Simiron customer service at (248) 686-3600 or your sales representative.

\*Printed images may differ from actual color blends.

**SIMIRON™**

# CONCRETE TREATMENT

SIMHARD  
SIMGUARD  
CURE & SEAL

SCAN TO  
SEE PRODUCTS



[SIMIRON.COM](http://SIMIRON.COM)

PRODUCTS USED: **POLYGROUT, SIMHARD & SIMGUARD**  
INSTALL COMPANY: **INNOVO FLOORING**



# SIMHARD CONCRETE HARDENER & SEALER

**SIMIRON SIMHARD** is a patented premium hardener, densifier and sealer designed to penetrate and strengthen concrete surfaces. The strengthened concrete surface improves hardness and abrasion resistance creating an easier to maintain and dust-proof environment. Treated surfaces will not contribute to ASR (Alkali Silicate Reaction) and will slow down ASR within the concrete. Using **SIMHARD** to densify the concrete when polishing enhances the overall appearance, DOI and gloss results. Ideal for new or existing concrete, integral color, acid stains, dyes, and dry shake hardeners.



## FEATURES + BENEFITS:

- Easy One-step Application
- Fast Drying
- Minimizes Dusting
- Deep Penetrating
- Enhances Concrete Color and Gloss
- Hardens Concrete Surface
- Improves Chemical and Abrasion Resistance
- Combats Concrete ASR
- LEED Compliant

## RECOMMENDED USES:

- New and Old Concrete
- Polished Concrete
- Integral Concrete
- Acid Stains
- Dyes
- Dry Shake Hardeners
- Warehouses
- Retail
- Manufacturing
- Arenas

### COLOR:



CLEAR

### ATTRIBUTES:



**18% SOLIDS**



**DUST PROOF**



**PENETRATES QUICKLY**



**NON-FLAMMABLE**



**VOC:**  
< 100 g/L

**COVERAGE:** up to 600 - 1000 sq. ft. / gallon

# SIMGUARD PROTECTIVE FLOORING TREATMENT

**SIMIRON SIMGUARD** is a patented, polishable acrylic polymer that provides customers with a high-gloss, long-lasting sealer finish. It maximizes light reflectance and eliminates the need for floor waxes, liquid polishes, and conventional polymeric flooring, making treated surfaces easy to maintain. This patented technology extends the life of polished concrete, terrazzo, cementitious and marble floors by shielding damage from water, chemical attack, and surface abrasion. **SIMGUARD** improves the overall finish of every polished concrete floor, giving our contractors a product that delivers reliable results. Ideal for bare concrete, integral color, acid stains, dyes, dry shake hardener and cementitious terrazzo.



## FEATURES + BENEFITS:

- Fast Drying
- Non-Toxic
- UV Stable
- Improves Concrete Abrasion Resistance
- Enhances Concrete Color
- Improved Light Reflectance
- Improves Concrete Gloss and DOI
- Improves Concrete Chemical Resistance
- LEED Compliant

## RECOMMENDED USES:

- Polished Concrete
- Terrazzo
- Warehouses
- Retail
- Showrooms
- Arenas
- Manufacturing

### COLOR: FINISH:



CLEAR



HIGH-GLOSS

### ATTRIBUTES:



**25% SOLIDS**



**DUST PROOF**



**PENETRATES QUICKLY**



**NON-FLAMMABLE**



**VOC:**  
< 100 g/L

**COVERAGE:** up to 1000 sq. ft. / gallon



## CURE & SEAL HIGH-SOLIDS WATER-BASED CONCRETE SEALER

SIMIRON CURE & SEAL is a clear high-solids, water-based curing and sealing compound. As a sealer, CURE & SEAL is non-yellowing and blush-resistant to provide a semi-gloss finish on concrete substrates. The self-crosslinking emulsion chemistry offers a durable film and early water resistance to whitening or blistering. It improves resistance to contaminants, stains, and abrasion due to its durable film which bonds to clean concrete easily. CURE & SEAL allows for increased protection to properly prepared surfaces.

### FEATURES + BENEFITS:

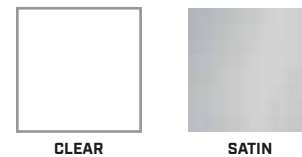
- Non-blushing Formula
- Non-yellowing
- Fast Drying
- Resists Black Tire Marks
- Low Odor
- Low VOC
- Indoor and Outdoor Use

### RECOMMENDED USES:

- Freshly Placed Concrete
- Existing Concrete
- Decorative Concrete
- Concrete Walls

**COVERAGE:** 250 sq. ft. / gallon

### COLOR: FINISH:



### ATTRIBUTES:



**25% SOLIDS**



**ALKALI RESISTANCE:**  
> 75 hours



**HARDNESS:**  
25/50



**pH:**  
8.5 - 9.5



**VOC:**  
< 50 g/L



**ADHESION:**  
Cross Hatch 5B



**CURE TIME:**  
Touch 45 - 60 mins  
Recoat Time: 1 - 2 hours



**LOW TEMP CURE:**  
PASSES

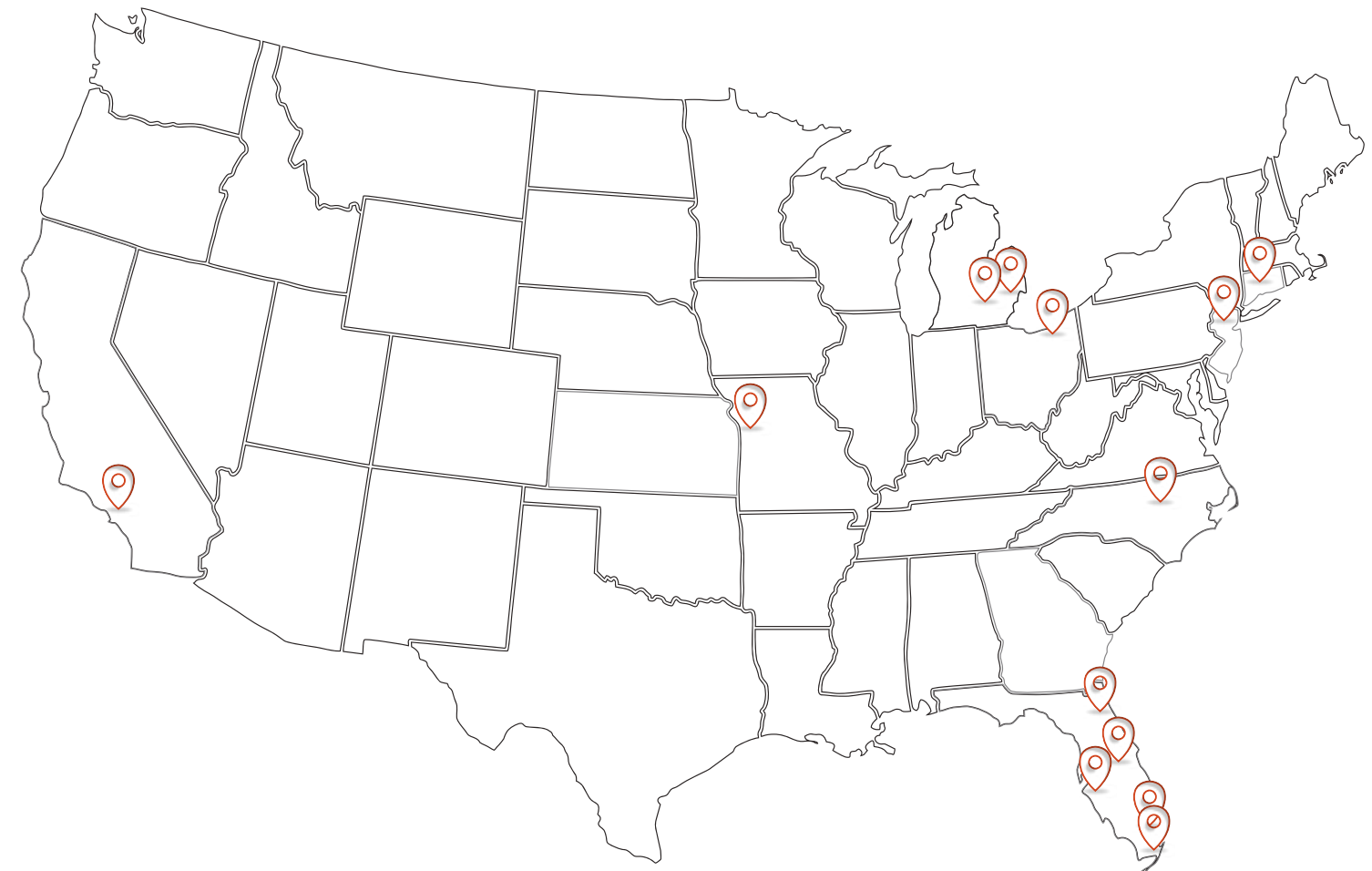


**UV RESISTANT**  
1,000 hours,  
No Yellowing

**SIMIRON™**

## LOCATIONS TO SERVE YOU

**1 - 2 DAY SHIPPING**  
OR PICK IT UP AT YOUR LOCAL STORE



SIMIRON has strategic locations across the U.S. to service customer needs. These locations provide the convenience to pick up from one of our many locations or drop ship products to minimize transit time.

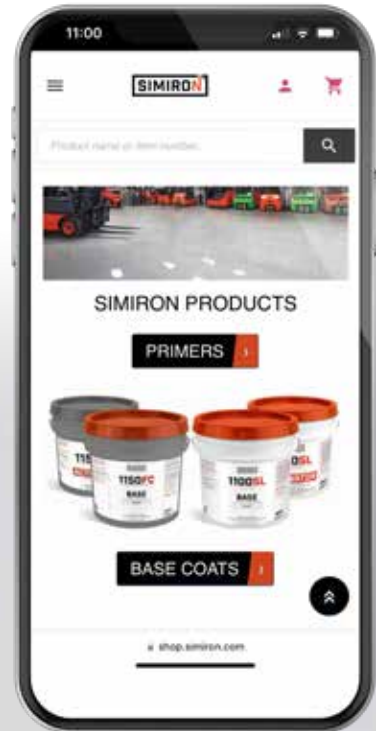


YOUR ONE-STOP SHOP  
FOR ALL YOUR  
FLOOR COATING NEEDS

## LEARN FROM THE EXPERTS

Our hands-on training program is designed to equip you with the skills and knowledge you need to succeed in the concrete floor coating industry. Whether you're a seasoned professional or just starting out, our team of experts will guide you through every step of the process.

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SCAN TO VISIT



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**MADE IN THE USA**

