

GROCERY & RETAIL SYSTEMS

FOOD PREPARATION • RETAIL BOUTIQUES
RETAIL STORES • WAREHOUSES

SIMIRON™
INNOVATIVE PROTECTIVE COATINGS

FOOD PREPARATION

SIMCRETE SL
URETHANE CEMENT

Workers that prepare food need slip-resistant floors that are durable. **SIMCRETE SL** is a self-leveling urethane cement broadcast to rejection with silica sand to achieve a 3/16" system with slip-resistant texture that will hold up to regular washdowns. It will withstand damage from dropped cooking equipment and thermal shock under ovens and from oil splatter. A polyaspartic is used to lock in the broadcast, which provides resistance to chemicals used to clean in kitchen applications.

SYSTEM ATTRIBUTES

BOND STRENGTH:
100% Concrete Failure

COEFFICIENT OF FRICTION:
> 0.63

COMPRESSIVE STRENGTH:
8,558 psi

FLAMMABILITY:
Self-extinguishing on concrete

FLEXURAL STRENGTH:
2,780 psi

GLOSS:
92 - 95

IMPACT STRENGTH:
> 160 lbs/inch

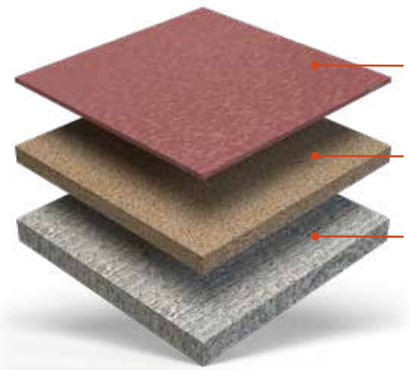
RESISTANCE TO FUNGI GROWTH:
PASS

TABER ABRASION:
30 mg loss

TENSILE STRENGTH:
1,120 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, TILE-RED

OVERLAY/BROADCAST:
SIMCRETE SL RED & SILICA SAND

PREPARED SUBSTRATE:
CSP 3 - 5

COLOR SELECTIONS

To view all color selections refer to the **Simiron Product Color Guide.**

RETAIL BOUTIQUES

SIMFLOOR METALLIC
METALLIC PIGMENT

Are you ready to make a change from standard store flooring to something more interesting? **SIMIRON SIMFLOOR METALLIC** creates a beautiful three-dimensional appearance that gives the illusion of waves, swirls and ripples. The finished appearance is pearlescent and iridescent and can vary from gradual, subtle changes in color to more pronounced effects. The epoxy siloxane topcoat has a satin finish with minor texture that will hold up to constant customer and clerk movement while still being easy to clean.

SYSTEM ATTRIBUTES

ADHESION:
> 400 psi

COEFFICIENT OF FRICTION:
> .05

COMPRESSIVE STRENGTH:
> 11,600 psi

ELONGATION:
5 - 10%

FLAMMABILITY:
Self-extinguishing on concrete

FLEXIBILITY 1/8" BEND MANDREL:
PASS

FLEXURAL STRENGTH:
> 12,800 psi

GLOSS:
88°

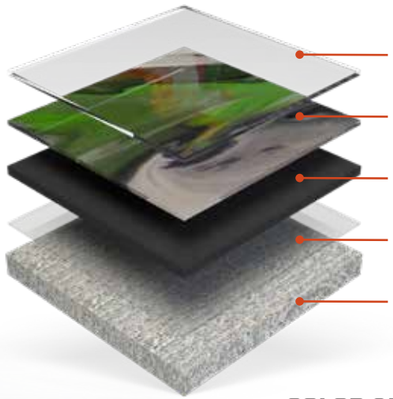
HARDNESS:
Shore D: > 75

TABER ABRASION:
40 mg loss

TENSILE STRENGTH:
9,600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
971EPS HIGH SOLIDS EPOXY SILOXANE, SATIN

METALLIC ADDITIVE:
1100SL SLOW CURE W/METALLIC ADDITIVE

BASECOAT:
1100SL 100% SOLIDS EPOXY
W/U-TINT PIGMENT PACK

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS

To view all color selections refer to the **Simiron Product Color Guide.**



RETAIL STORES

POLISHED CONCRETE

Floors are abused in grocery stores and big-big box retail. Heavy carts with small wheels that carry dirt and debris picked up outdoors are pushed across the floor. Permanent polymer flooring is challenging in these areas. If it manages to stick, it usually does not look good for very long. Waxed tile needs regular maintenance. **SIMIRON POLISHED CONCRETE** is the best solution. The process fills the pores of the concrete and grinds the floor to the customer's desired gloss level.

FEATURES + BENEFITS:

- Reduce concrete porosity
- Densify surface
- Improve abrasion resistance
- Elevate gloss & light reflectivity
- Low odor process

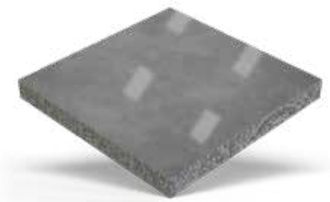
SYSTEM STEPS



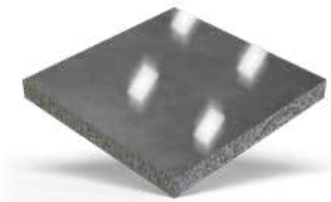
STAGE 1: EXISTING SUBSTRATE/CONCRETE



STAGE 2: POLYGROUT AND DIAMOND GRIND



STAGE 3: POLISH WITH SIMHARD



STAGE 3: AFTER SIMGUARD BURNISH WITH DIAMOND PAD

COLOR SELECTIONS



To view all color selections refer to the **Simiron Product Color Guide.**

WAREHOUSES

SIMFLOOR HWU
HIGH-WEAR URETHANE

Need a floor treatment solution that will hold up to busy activity and even fork lift traffic? **SIMFLOOR HWU** is a unique high performance, three-component, high solids, low VOC urethane floor coating that provides superior resistance against abrasion, chemicals, and UV exposure. The light, consistent texture provides an ideal, tough finish for busy facilities. The gloss level of the system is satin, which provides an enduring appearance that is still easy to clean.

SYSTEM ATTRIBUTES

ADHESION:
> 400 psi

COEFFICIENT OF FRICTION:
0.60

COMPRESSIVE STRENGTH:
11,600 psi

FLAMMABILITY:
Self-extinguishing on concrete

FLEXIBILITY 1/8" BEND MANDREL:
PASS

FLEXURAL STRENGTH:
12,800 psi

GLOSS:
70 - 80

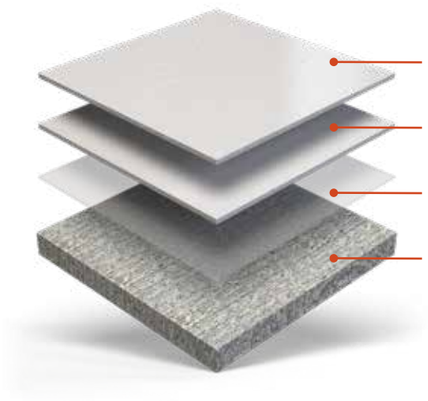
HARDNESS:
Pencil 4H

TABER ABRASION:
12 mg loss

TENSILE STRENGTH:
9,600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
SIMTHANE HWU, SATIN, LIGHT GRAY

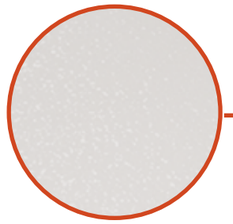
BASECOAT:
1100SL 100% SOLIDS EPOXY, LIGHT GRAY

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS

To view all color selections refer to the **Simiron Product Color Guide.**



CHEMICAL RESISTANCE CHART

SIMIRON SYSTEMS	SIMFLAKE SB	SIMFLAKE SB 1-DAY	SIMFLOOR HB-EPOXY	SIMFLOOR HWU	SIMFLOOR ESD	SIMFLOOR EPOXY SILOXANE	SHOP FLOOR
CHEMICAL	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS
10% Acetic Acid	G	G	G	F	F	E	G
Vinegar	G	G	G	G	G	G	G
10% Citric Acid	G	G	G	G	G	G	G
10% Hydrochloric Acid	G	G	G	E	E	E	G
30% Hydrochloric Acid (muriatic)	G	G	G	E	E	E	G
10% Nitric Acid	NR	NR	G*	G	G	G	NR
50% Phosphoric Acid	F	F	F	G	G	G	F
10% Sulfuric Acid	F	F	G	F	F	G	F
37% Sulfuric Acid	F	F	F	F	F	G	F
70% Sulfuric Acid	F	F	F	F	F	G*	F
20% Ammonium Nitrate	E	E	E	E	E	E	E
20% Sodium Chloride	E	E	E	E	E	E	E
50% Sodium Hydroxide	G	G	E	E	E	E	G
Methyl Ethyl Ketone	E	E	G	E	E	E	E
Xylene	E	E	F	E	E	E	E
Ethylene Glycol	E	E	G	E	E	E	E
Isopropyl Alcohol	E	E	F	E	E	E	E
Mineral Spirits	F	F	E	E	E	E	F
Brake Fluid	E	E	F	G	G	G	E
Transmission Fluid	E	E	E	E	E	E	E
Motor Oil	E	E	E	E	E	E	E
50:1 Gas/Oil Mixture	E	E	E	E	E	E	E
E85 Gasoline	E	E	E	E	E	E	E
E95 Gasoline	E	E	E	E	E	E	E
Unleaded Gasoline	E	E	G	E	E	E	E
Skydrol	E	E	E	E	E	E	E
Betadine	E	E	G*	G*	G*	G*	E
Bleach	E	E	E	E	E	E	E
Urine	E	E	E	E	E	E	E
Coffee	E	E	E	E	E	E	E
Cola	E	E	E	E	E	E	E
Ketchup	E	E	G	F	F	E	E
Mustard	G*	G*	G	G	G	G*	G*
Red Wine	E	E	E	E	E	E	E

*Stain is only defect.

SIMIRON SYSTEMS	SIMCRETE SL	SIMCRETE SL FLAKE	SIMCRETE SL QUARTZ	SIMQUARTZ DB	SIMCRETE SL+TC	SIMFLOOR METALLIC
CHEMICAL	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS
10% Acetic Acid	G	G	G	F	E	E
Vinegar	G	G	G	F	E	G
10% Citric Acid	G	G	G	E	E	G
10% Hydrochloric Acid	G	G	G	E	E	E
30% Hydrochloric Acid (muriatic)	G	G	G	E	E	E
10% Nitric Acid	NR	NR	NR	NR	G	G
50% Phosphoric Acid	F	F	F	NR	G	G
10% Sulfuric Acid	F	F	F	E	G	G
37% Sulfuric Acid	F	F	F	G	F	G
70% Sulfuric Acid	F	F	F	NR	NR	G*
20% Ammonium Nitrate	E	E	E	E	E	E
20% Sodium Chloride	E	E	E	E	E	E
50% Sodium Hydroxide	G	G	G	G	E	E
Methyl Ethyl Ketone	E	E	E	E	F	E
Xylene	E	E	E	E	E	E
Ethylene Glycol	E	E	E	E	E	E
Isopropyl Alcohol	E	E	E	E	E	E
Mineral Spirits	F	F	F	E	E	E
Brake Fluid	E	E	E	G	E	G
Transmission Fluid	E	E	E	E	E	E
Motor Oil	E	E	E	E	E	E
50:1 Gas/Oil Mixture	E	E	E	E	E	E
E85 Gasoline	E	E	E	E	E	E
E95 Gasoline	E	E	E	E	E	E
Unleaded Gasoline	E	E	E	E	E	E
Skydrol	E	E	E	E	E	E
Betadine	E	E	E	G*	E	G*
Bleach	E	E	E	E	E	E
Urine	E	E	E	E	E	E
Coffee	E	E	E	E	E	E
Cola	E	E	E	E	E	E
Ketchup	E	E	E	F	E	E
Mustard	G*	G*	G*	G	E	G*
Red Wine	E	E	E	E	E	E

*Stain is only defect.

KEY E = Excellent G = Good F = Fair NR = Not Recommend

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MADE IN THE USA

