

FOOD & BEVERAGE SYSTEMS

BAR & DINING • COMMERCIAL KITCHENS
FOOD PROCESSING • WAREHOUSE & DISTRIBUTION

SIMIRON™
INNOVATIVE PROTECTIVE COATINGS

SIMFLAKE SB
DECORATIVE CHIP

Bars and restaurants require a decorative flooring that helps set the scene. **SIMFLAKE SB** is a decorative system that uses **Simiron Decorative Chip** as part of the system. With a wide variety of blends, you can certainly find one that accentuates any experience plan. Texture from the broadcast provides long-lasting appearance and traction. Optional satin and non-skid texture is a good fit for areas with refreshment spills and continual people movement.

SYSTEM ATTRIBUTES

DURABLE:
30 mg loss

ADHESION:
> 400 psi

COEFFICIENT OF FRICTION:
> .55

COMPRESSIVE STRENGTH:
11,600 psi

ELONGATION:
5 - 10%

FLAMMABILITY:
Self-extinguishing on concrete

FLEXIBILITY 1/8" BEND MANDREL:
PASS

FLEXURAL STRENGTH:
12,800 psi

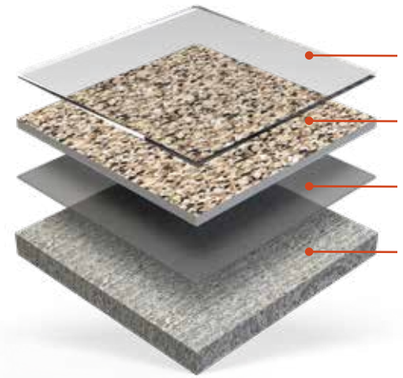
GLOSS:
92 - 95°

HARDNESS:
Shore D > 70, 86

TENSILE STRENGTH:
> 9.600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, CLEAR

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

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS



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

COMMERCIAL KITCHENS

SIMCRETE SF
URETHANE CEMENT

Chefs and kitchen workers need slip-resistant floors that are durable. **SIMCRETE SF** is a self-leveling urethane cement broadcast to rejection with silica sand to achieve a system thickness of ¼" that is heavy-duty and suited for kitchen applications. It will withstand damage from dropped cooking equipment, oil splatter and thermal shock under ovens. A polyaspartic, which will resist cleaning chemicals, is used to lock in the broadcast.

SYSTEM ATTRIBUTES

BOND STRENGTH:
100% Concrete Failure

COEFFICIENT OF FRICTION:
> 0.63

COMPRESSIVE STRENGTH:
> 8,300 psi

FLAMMABILITY:
Self-extinguishing on concrete

FLEXURAL STRENGTH:
> 2,550 psi

GLOSS:
92 - 95°

IMPACT STRENGTH:
> 160 lbs/inch

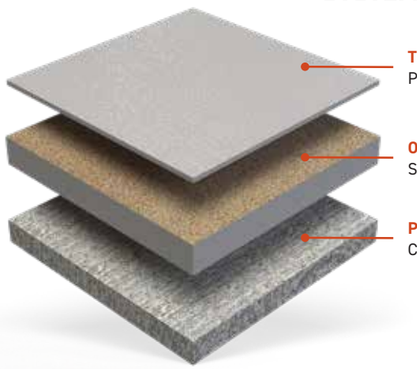
RESISTANCE TO FUNGI GROWTH:
PASS

TABER ABRASION:
30 mg loss

TENSILE STRENGTH:
> 1,000 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, LIGHT GRAY

OVERLAY/BROADCAST:
SIMCRETE SF, GRAY & SILICA SAND

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS

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



FOOD PROCESSING

SIMCRETE SL
URETHANE CEMENT

Processing areas need to withstand abuse that would normally cause physical damage where water can collect. **SIMCRETE SL** is a self-leveling urethane cement that is broadcast to rejection with silica sand to achieve a very durable 3/16" system. The resulting texture is slip resistant and pertinent for wet processing and areas that are washed down regularly. The system is also thermal shock resistant for steam cleaning. A polyaspartic topcoat provides resistance to the harsh cleaning chemicals used.

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

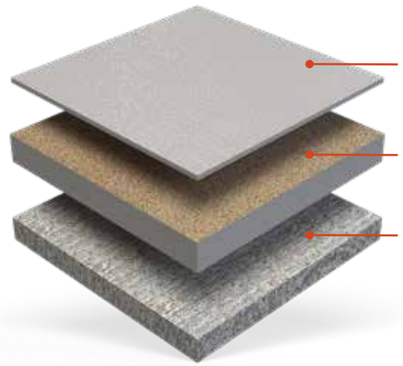
RESISTANCE TO FUNGI GROWTH:
PASS

TABER ABRASION:
30 mg loss

TENSILE STRENGTH:
1,120 psi

UV RESISTANT

SYSTEM BUILD

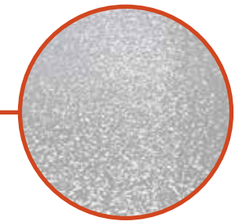


TOPCOAT:
POLYASPARTIC HS, GLOSS, LIGHT GRAY

OVERLAY/BROADCAST:
SIMCRETE SL, GRAY & SILICA SAND

PREPARED SUBSTRATE:
CSP 3 - 5

COLOR SELECTIONS



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

WAREHOUSE & DISTRIBUTION

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 high performance, high solids, low VOC urethane floor coating that provides superior resistance against abrasion, chemicals and UV exposure through large dock doors and high windows. The light, consistent texture results in a satin finish, which provides an attractive appearance that is easy to maintain.

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

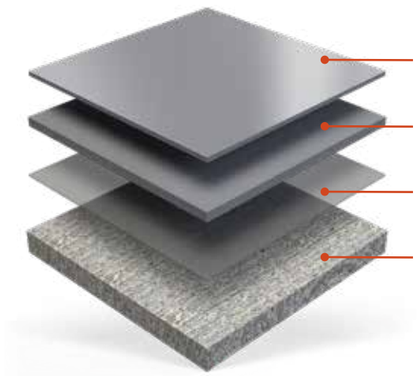
HARDNESS:
Pencil 4H

TABER ABRASION:
12 mg loss

TENSILE STRENGTH:
9,600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
SIMTHANE HWU, HAZE GRAY

BASECOAT:
1100SL 100% SOLIDS EPOXY, HAZE 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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