

AUTOMOTIVE SYSTEMS

SERVICE BAYS • SERVICE DEPARTMENTS
SHOWROOMS • WASH BAYS

SIMIRON™
INNOVATIVE PROTECTIVE COATINGS

SHOP FLOOR

HIGH-GLOSS DURABLE EPOXY SYSTEM

Mechanics take automobiles apart; fluids end up on the floor and parts and tools are dropped. **SHOP FLOOR** is a 1/16" thick industry standard for protecting concrete in areas that need a tough work surface with slip-resistant texture. Our version locks in the broadcast with a polyaspartic, which provides UV stability for exposure through large, open garage doors and chemical resistance to oil, transmission, and brake fluids.

SYSTEM ATTRIBUTES

ADHESION:
> 400 psi

COEFFICIENT OF FRICTION:
> 0.55

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

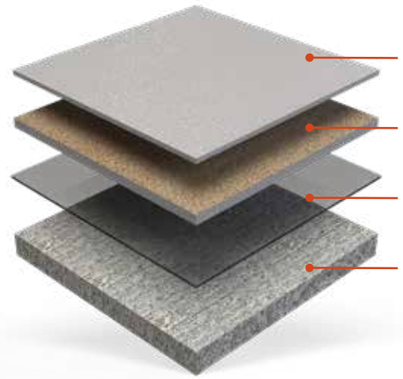
HARDNESS:
Shore D 70, 86

TABER ABRASION:
30 mg loss

TENSILE STRENGTH:
9,600 psi

UV RESISTANT

SYSTEM BUILD



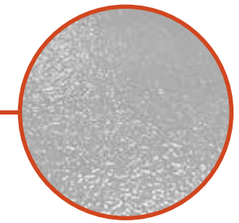
TOPCOAT:
POLYASPARTIC HS, GLOSS, LIGHT GRAY

BASECOAT/BROADCAST:
1100SL 100% SOLIDS EPOXY,
LIGHT GRAY & SILICA SAND

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS



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

SERVICE DEPARTMENTS

SIMFLAKE SB
DECORATIVE CHIP

SIMFLAKE SB is a single-broadcast system that uses **Simiron Decorative Chip**, which is available in a wide variety of blends that pair well with any color scheme. The featured system has a gloss finish that is easy to maintain, but optional satin and non-skid texture is available for continuous people movement and car drop/pickup lanes.

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

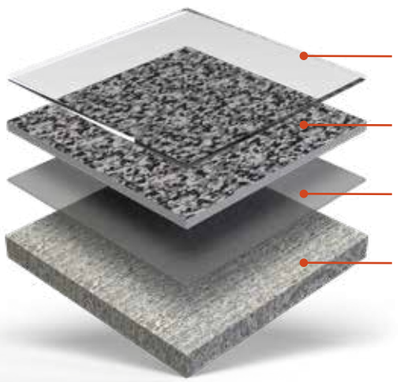
GLOSS:
92 - 95°

HARDNESS:
Shore D > 70, 86

TENSILE STRENGTH:
> 9.600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, CLEAR

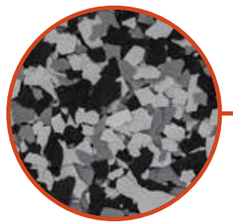
BASECOAT/BROADCAST:
1100SL 100% SOLIDS EPOXY, PIGMENTED & DECORATIVE CHIP

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS

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





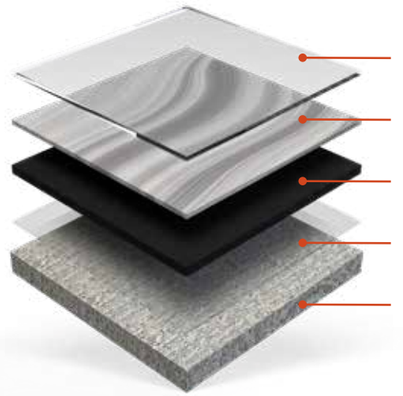
SIMFLOOR METALLIC
METALLIC PIGMENT

Customers expect an engaging environment that showcases vehicles. **SIMFLOOR METALLIC** accents a space and provides an attractive background for parked cars and trucks by featuring **Metallic Additive**. With multiple color options, you can certainly find at least one that highlights any palette. This system is around 60 mils thick and will support heavy items for extended periods of time. A light, consistent texture from the satin topcoat provides traction and an appearance that is sustainable with basic care.

SYSTEM ATTRIBUTES

DURABLE: 40 mg loss	**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	**TENSILE STRENGTH:** 9,600 psi	**UV RESISTANT**

SYSTEM BUILD



TOPCOAT:
971EPS HIGH SOLIDS EPOXY SILOXANE, SATIN, CLEAR

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.**

WASH BAYS

SIMCRETE SF
URETHANE CEMENT

Detailers stand on floors that are constantly wet. **SIMCRETE SF** is a self-leveling urethane cement that is broadcast to rejection with silica sand to achieve a 1/4" heavy-duty system with a slip-resistant texture suited for wet environments. A polyaspartic is used to lock in the broadcast, which provides UV stability and resistance to any chemicals used to detail cars. The system can also can withstand moisture vapor transmission.

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

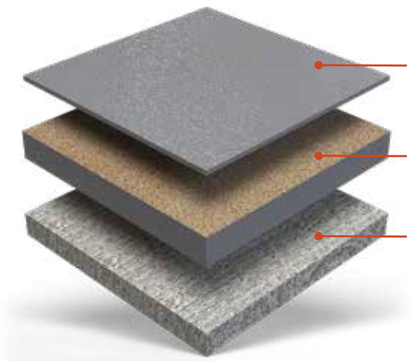
RESISTANCE TO FUNGI GROWTH:
PASS

TABER ABRASION:
30 mg loss

TENSILE STRENGTH:
> 1,000 psi

UV RESISTANT

SYSTEM BUILD



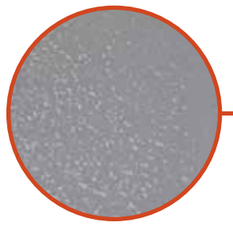
TOPCOAT:
POLYASPARTIC HS, GLOSS, HAZE GRAY

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.**



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

