

RESIDENTIAL SYSTEMS

BASEMENTS & LIVING AREAS • GARAGES
POOL DECKS • PORCHES, PATIOS & WALKWAYS

SIMIRON™
INNOVATIVE PROTECTIVE COATINGS

BASEMENTS & LIVING AREAS

SIMFLOOR METALLIC
METALLIC PIGMENT

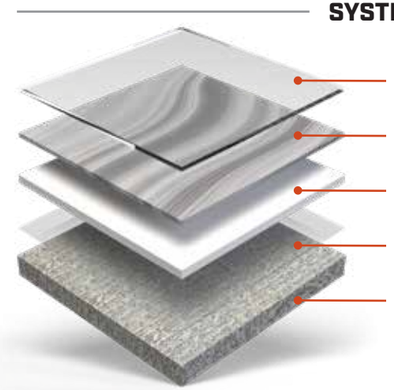
Homeowners looking for a carpet alternative want a decorative option that is easy to clean. **SIMFLOOR METALLIC** accents a home's décor by featuring **Metallic Additive**. With over two dozen color options, you can certainly find one that highlights any color palette or design a unique floor with multiple pigments and is more of a work of art. Texture from the satin topcoat provides long-lasting appearance and traction for an area that sees a variety of family footwear, socks, and bare feet. It also resists stains from most household chemicals.

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, PIGMENTED

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS



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

GARAGES

SIMFLAKE SB
DECORATIVE CHIP

More families are utilizing garage space as an extension of the home. **SIMFLAKE SB** is a single-broadcast floor system that utilizes **Simiron Decorative Chip**. There are a variety of blends to go with all cabinet and garage interiors. The 60 mil system thickness provides a sound base for cars and resists UV damage when the large door is open. This system has a gloss finish, but optional satin and non-skid texture are available to minimize slip on wet floors.

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

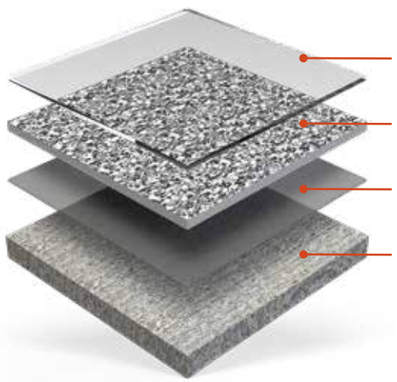
GLOSS:
92 - 95°

HARDNESS:
Shore D > 70, 86

TENSILE STRENGTH:
> 9,600 psi

UV RESISTANT

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, CLEAR

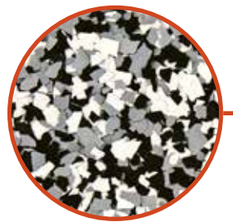
BASECOAT/BROADCAST:
1100SL 100% SOLIDS EPOXY, PIGMENTED & DECORATIVE CHIP

PRIMER:
SIMIRON EPOXY

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS

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





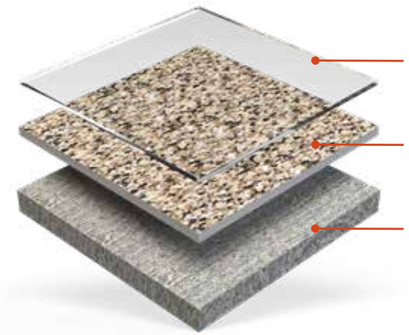
SIMFLAKE SB/UV 1-DAY POLYASPARTIC
DECORATIVE CHIP

SIMFLAKE SB/UV 1-DAY POLYASPARTIC is a single-broadcast floor system with texture that utilizes **Simiron Decorative Chip** in a variety of blends to go with any house/trim combination. The featured system has a gloss finish, but optional satin and non-skid texture are available to reduce slip on wet decks. The base and topcoat are UV resistant for constant exposure. **This system is suitable for exterior spaces in warmer climates.*

SYSTEM ATTRIBUTES

DURABLE: 30 mg loss	**ADHESION:** > 400 psi	**COEFFICIENT OF FRICTION:** > .65	**ELONGATION:** 5 - 10%	**FLAMMABILITY:** Self-extinguishing on concrete	**FLEXIBILITY 1/8" BEND MANDREL:** PASS
GLOSS: 92 - 95°	**HARDNESS:** Shore D > 70, 86	**SLIP RESISTANT**	**TABER ABRASION:** 30 mg loss	**TENSILE STRENGTH:** 4,000 psi	**UV RESISTANT**

SYSTEM BUILD



TOPCOAT:
POLYASPARTIC HS, GLOSS, CLEAR

BASECOAT/BROADCAST:
POLYASPARTIC HS, PIGMENTED & DECORATIVE CHIP

PREPARED SUBSTRATE:
CSP 3+

COLOR SELECTIONS



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

PORCHES, PATIOS & WALKWAYS

SIMFLAKE SB/UV 1-DAY POLYASPARTIC
DECORATIVE CHIP

SIMFLAKE SB/UV 1-DAY POLYASPARTIC is a versatile system, consisting of a basecoat, ¼" vinyl chip broadcast, and topcoat. The same system that is used around pools can be used to cover other areas around the home with something more decorative in climates that do not freeze. This system is available in a wide range of blended colors to compliment homes and landscapes. The base system has a gloss finish, but optional satin and non-skid texture are available to reduce slip on exterior walking surfaces that may be wet. **This system is suitable for exterior spaces in warmer climates.*

SYSTEM ATTRIBUTES

DURABLE: 30 mg loss

ADHESION: > 400 psi

COEFFICIENT OF FRICTION: > .65

ELONGATION: 5 - 10%

FLAMMABILITY: Self-extinguishing on concrete

FLEXIBILITY 1/8" BEND MANDREL: PASS

GLOSS: 92 - 95°

HARDNESS: Shore D > 70, 86

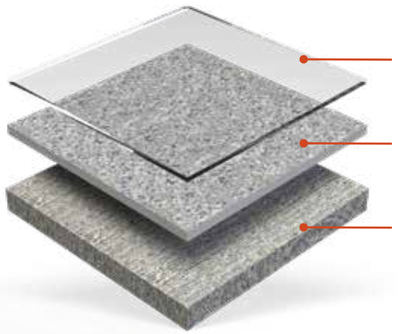
SLIP RESISTANT

TABER ABRASION: 30 mg loss

TENSILE STRENGTH: 4,000 psi

UV RESISTANT

SYSTEM BUILD



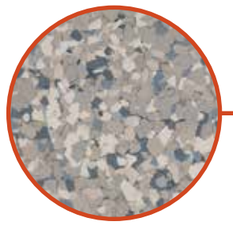
TOPCOAT:
POLYASPARTIC HS, GLOSS, CLEAR

BASECOAT/BROADCAST:
POLYASPARTIC HS, PIGMENTED & DECORATIVE CHIP

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

SIMIRON.COM | SHOP.SIMIRON.COM

SIMIRON INC.
CORPORATE HEADQUARTERS
3000 Research Drive
Rochester Hills, MI 48309
(248) 686-3600

MADE IN THE USA