SEAL KRETE®

HIGH
PERFORMANCE
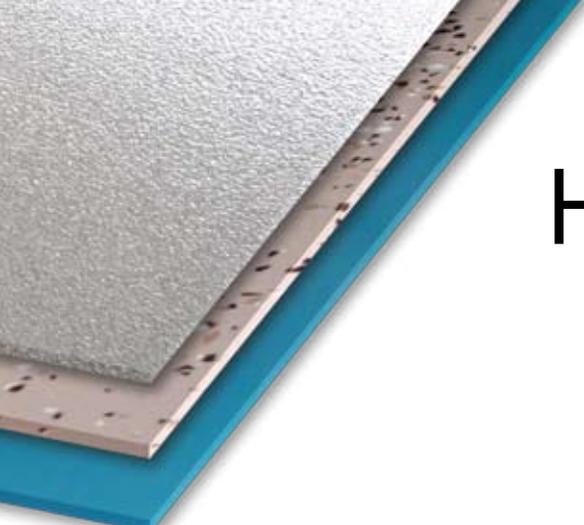INDUSTRIAL FLOORING SYSTEMS

High Performance Industrial Flooring Systems — Designed to Exceed your Expectations

High performance flooring...

- helps provide the right floor for your customers' needs

- delivers lasting value and return on investment

- offers complete floor systems for a variety of applications

- provides a variety of seamless solutions – including resistance to abrasion, chemicals, and UV rays

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SEAL KRETE

HIGH PERFORMANCE
INDUSTRIAL FLOORING SYSTEMS

Select your system

In order to meet the performance requirements of commercial or industrial environments, choosing the right seamless concrete floor coating system is essential. All Seal-Krete High Performance Flooring Systems are custom specified to exceed your customers' expectations of appearance, durability, and ease of maintenance.

POLY-SHELL™
Utilizing the latest development in Polyaspartic coating technology, Poly-Shell is the most durable coating available. It dries quickly and provides unparalleled rapid return-to-service. It is extremely resistant to heat (temps up to 350°F), UV rays, and a variety of harsh chemicals, including salt, oil, and gasoline. Poly-Shell is also flexible and allows for natural concrete movement without cracking or peeling, making this system ideal for either indoor or outdoor applications. Available in 2 formulas – Poly-Shell 7000 and Poly-Shell 9000.

EPOXY-SHELL™
Epoxy-Shell is an epoxy-based coating system that provides outstanding customer value. Epoxy-Shell blends durability with outstanding adhesion properties, allowing it to be used on a variety of substrates including concrete, tile, and laminates. Its great value, slower dry time, and low odor formulation makes Epoxy-Shell ideal for larger indoor application areas.

DURA-SHELL™
Dura-Shell is a durable two-part water-based aliphatic urethane that provides both heat and chemical resistance and excellent protection against thermal shock. Dura-Shell is formulated with a high tolerance for moisture and excellent bonding strength, making it ideal for indoor/outdoor areas and light industrial projects.

SYSTEM COMPARISON				
	Poly-Shell 7000	Poly-Shell 9000	Epoxy-Shell	Dura-Shell
Cure Time	Fast	Fast	Slow	Fast
UV Resistance	Excellent	Excellent	Not Stable – Yellow	Excellent
Application Temperature	-20° – 120°F	-20° – 120°F	50° – 90°F	50° – 90°F
Installation Time	1 – 2 days	1 – 2 days	2 – 4 days	1 day
Foot Traffic Ready	24 – 48 hours	12 – 24 hours	48 – 96 hours	24 hours
Chemical Resistance	Best	Best	Better	Good
Abrasion Resistance	Best	Best	Better	Good
VOC's	< 325 g/L	< 100 g/L	< 50 g/L	< 10 g/L
Where to Use	Interior / Exterior	Interior / Exterior	Interior Only	Interior / Exterior

Customize your look

Seal-Krete High Performance Flooring Systems are designed to provide an added aesthetic value to your commercial or industrial environment. A variety of finishes can be achieved through different methods and number of layers. Use the images below as a guide to create your desired appearance. Customized designs can even be embedded in the layers of clear coat for added flair.

Quartz   *Double Flake*   *Sparse Flake*   *Colors*

*University of Missouri logos used with permission as an example only.

Poly-Shell™ Systems

POLY-SHELL 7000

- 70% Solids
- 1:1 Mix Ratio
- Mixed VOC < 325 g/L (per EPA Method 24)

POLY-SHELL 9000

- 90% Solids
- 2:1 Mix Ratio
- Low Odor
- Mixed VOC < 100 g/L (per EPA Method 24)

FEATURES AND BENEFITS

- Excellent flow and leveling
- Fastest cure — return to service in hours
- Apply from -20°F to 130°F
- Heat resistant to 350°F
- Superior chemical resistance
- Indoor / Outdoor applications
- Superior resistance to abrasion and impact
- Will not yellow

APPLICATIONS

- Restaurants, commercial kitchens
- Hospitals and care facilities
- Manufacturing plants, warehouses
- Showrooms
- Airplane hangars
- Stadiums, universities
- Residential garage floors, driveways, patios
- Kennels
- Commercial restrooms
- Shop floors

COVERAGE

Step	Coverage (sq. ft./gal)	Wet Film Thickness (mils)
Primer coat / tinted	150	10.7
Layer 1	150	10.7
Layer 2	150	10.7
Grout coat	150	10.7
Seal coat	200	8.0

Poly-Shell Colors System

Solid color, high gloss coating for both interior/exterior commercial and industrial use. Consists of two coats of Poly-Shell Tinted with a Poly-Shell Clear top-coat. Poly-Shell Colors is the most economical solution for a chemical and abrasion resistant flooring system and provides unmatched performance when rapid return-to-service is required.
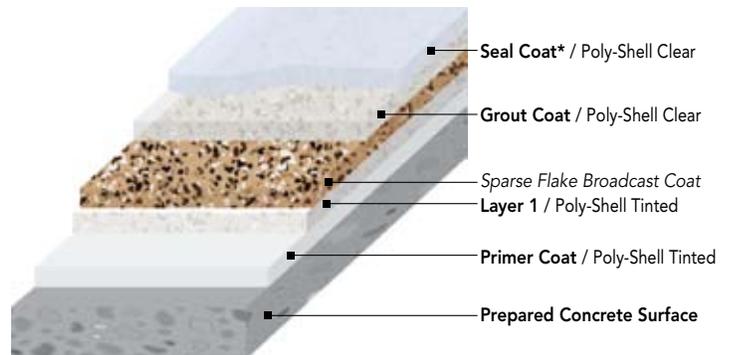
This premium color system is available in standard and custom colors.

Seal Coat* / Poly-Shell Clear

Layer 1 / Poly-Shell Tinted

Primer Coat / Poly-Shell Tinted

Prepared Concrete Surface
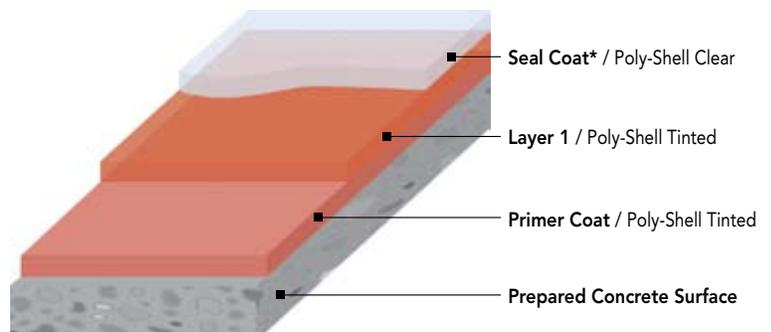
Poly-Shell Sparse Flake System

Designed for interior/exterior light industrial or residential use. A durable, high gloss finish that consists of sparsely broadcast vinyl paint chips suspended in a layer of Poly-Shell Clear and top-coated with Poly-Shell Clear. This system is both durable *and* chemical resistant.
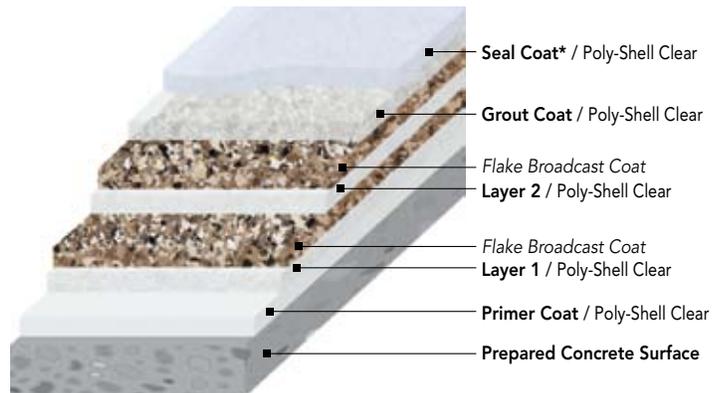
Available in standard and custom flake color combinations.

Seal Coat* / Poly-Shell Clear
Grout Coat / Poly-Shell Clear
Sparse Flake Broadcast Coat
Layer 1 / Poly-Shell Tinted
Primer Coat / Poly-Shell Tinted
Prepared Concrete Surface

Poly-Shell Double Flake System

A double-broadcast, multiple coat flake system in which full coverage vinyl paint chips are suspended in two layers of Poly-Shell Clear and top-coated with Poly-Shell Clear for added durability and chemical resistance. Excellent hiding makes this the perfect system for irregular or imperfect interior/exterior concrete floors.
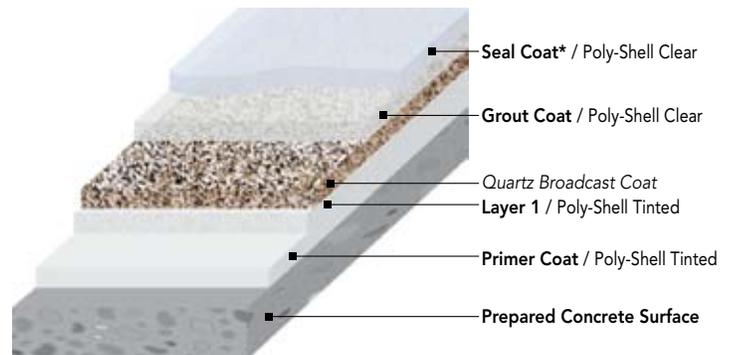
Available in standard and custom flake color combinations.

Seal Coat* / Poly-Shell Clear
Grout Coat / Poly-Shell Clear
Flake Broadcast Coat
Layer 2 / Poly-Shell Clear
Flake Broadcast Coat
Layer 1 / Poly-Shell Clear
Primer Coat / Poly-Shell Clear
Prepared Concrete Surface

Poly-Shell Single Broadcast Quartz System

Ideal for both interior/exterior light industrial and residential applications. A single coat of colored quartz aggregate is broadcast into Poly-Shell Tinted and sealed with Poly-Shell Clear, providing a long-lasting, maintenance-free floor. This economical quartz floor has a faster return-to-service.
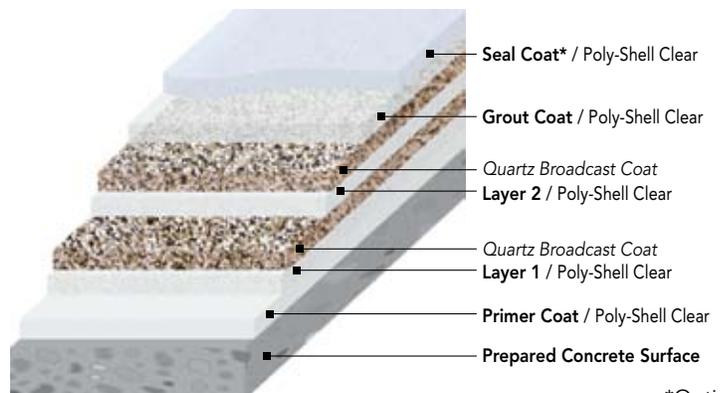
This single-broadcast quartz system is available in standard and custom quartz color combinations.

Seal Coat* / Poly-Shell Clear
Grout Coat / Poly-Shell Clear
Quartz Broadcast Coat
Layer 1 / Poly-Shell Tinted
Primer Coat / Poly-Shell Tinted
Prepared Concrete Surface

Poly-Shell Double Broadcast Quartz System

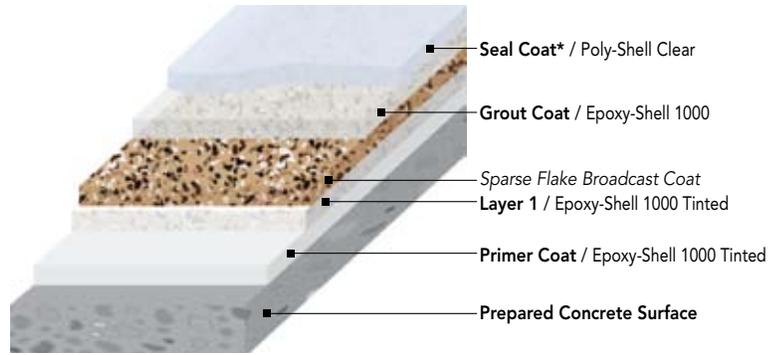A seamless, double-broadcast polyaspartic quartz system for interior/exterior use designed for maximum durability and ultimate protection. Multiple layers of colored quartz are broadcast into Poly-Shell Clear and top-coated with Poly-Shell Clear for added protection and chemical resistance.

This ultra-durable system is available in standard and custom quartz color combinations.

Seal Coat* / Poly-Shell Clear
Grout Coat / Poly-Shell Clear
Quartz Broadcast Coat
Layer 2 / Poly-Shell Clear
Quartz Broadcast Coat
Layer 1 / Poly-Shell Clear
Primer Coat / Poly-Shell Clear
Prepared Concrete Surface

*Optional

Epoxy-Shell™ Systems

FEATURES AND BENEFITS

- Outstanding adhesion to a variety of substrates, including concrete, quarry tile and plywood floors
- Chemical resistant
- Apply from 50°F to 90°F
- Easier application with slower dry times
- Outstanding value
- Interior applications only
- Self-leveling
- Easy to mix 2:1 ratio
- Mixed VOC < 50 g/L (per EPA Method 24)

APPLICATIONS

- Laboratories
- School hallways
- Animal care facilities
- Manufacturing plants, warehouses
- Pharmaceutical facilities
- Research facilities
- Hospitals
- Cafeterias, restaurants, kitchens
- Restrooms, shower and locker rooms
- Detention facilities
- Retail stores
- Showrooms

COVERAGE

	Coverage (sq. ft./gal)	Wet Film Thickness (mils)
Primer Coat / Tinted	150	10.7
Layer 1	150	10.7
Layer 2	100	16.0
Grout Coat	100	16.0
Seal Coat	200	8.0

Epoxy-Shell Colors System

Solid color, high gloss coating for both commercial and industrial use. Consists of 2 coats of Epoxy-Shell 1000 Tinted with a Poly-Shell Clear top-coat. Epoxy-Shell Colors is the most economical solution to a self-leveling chemical and abrasive resistant flooring system.

This premium color system is available in 16 colors and is for interior use only.

Seal Coat* / Poly-Shell Clear

Layer 1 / Epoxy-Shell 1000 Tinted

Primer Coat / Epoxy-Shell 1000 Tinted

Prepared Concrete Surface
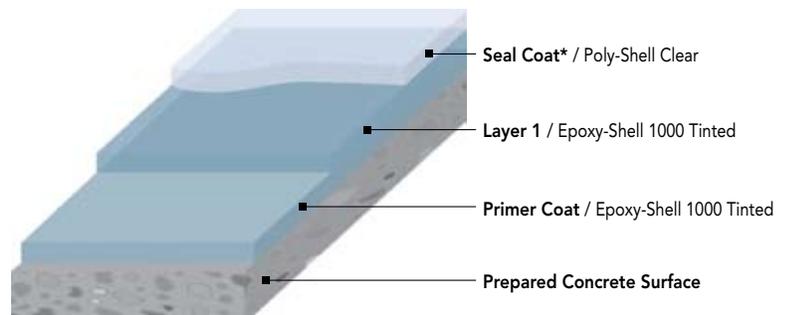
Epoxy-Shell Sparse Flake System

Designed for light industrial or residential use. A durable, high gloss finish that consists of sparsely broadcast vinyl paint chips suspended in a layer of Epoxy-Shell 1000 and top-coated with Poly-Shell Clear. This system is economical, durable and chemical resistant.
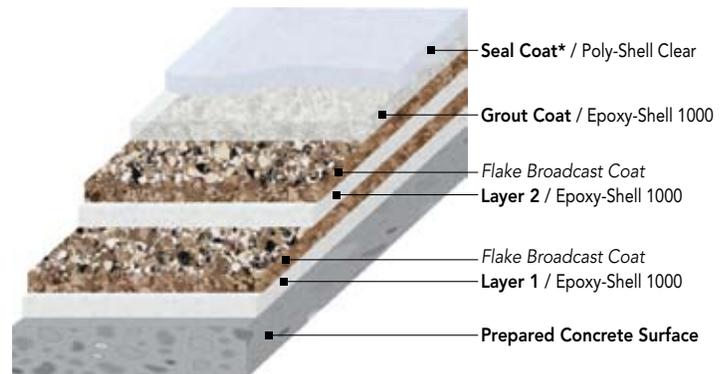
The Epoxy-Shell Sparse Flake System is available in standard and custom vinyl chip color combinations.

Seal Coat* / Poly-Shell Clear

Grout Coat / Epoxy-Shell 1000

Sparse Flake Broadcast Coat
Layer 1 / Epoxy-Shell 1000 Tinted

Primer Coat / Epoxy-Shell 1000 Tinted

Prepared Concrete Surface

Epoxy-Shell Double Flake System

A double-broadcast, multiple coat flake system in which full coverage vinyl paint chips are suspended in multiple layers of Epoxy-Shell 1000 and top-coated with Poly-Shell Clear for added durability and chemical resistance. Excellent hiding makes this the perfect system for irregular or imperfect interior concrete floors.

This ultra-durable system is available in standard and custom vinyl chip combinations.

Seal Coat* / Poly-Shell Clear

Grout Coat / Epoxy-Shell 1000

Flake Broadcast Coat
Layer 2 / Epoxy-Shell 1000

Flake Broadcast Coat
Layer 1 / Epoxy-Shell 1000

Prepared Concrete Surface

Epoxy-Shell Single Broadcast Quartz System

Ideal for both commercial and residential applications. A single coat of colored quartz aggregate is broadcast into Epoxy-Shell 1000, sealed with Epoxy-Shell 1000 and top-coated with Poly-Shell Clear, providing a long-lasting, maintenance-free floor.
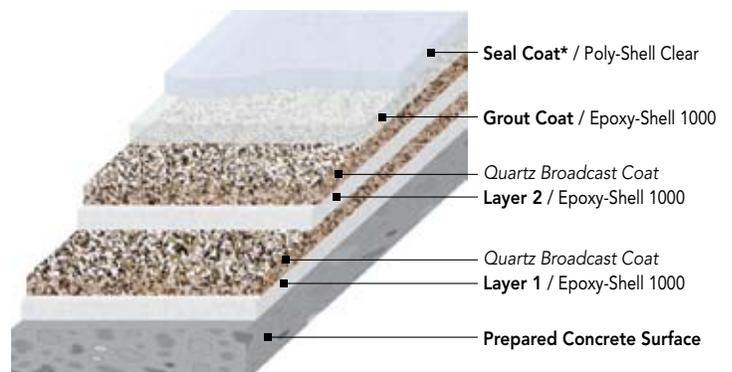
This durable system is available in standard and custom quartz color combinations.

Seal Coat* / Poly-Shell Clear

Grout Coat / Epoxy-Shell 1000

Quartz Broadcast Coat
Layer 1 / Epoxy-Shell 1000 Tinted

Prepared Concrete Surface
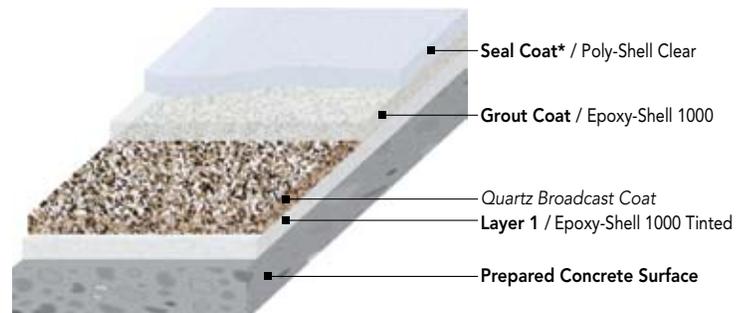
Epoxy-Shell Double Broadcast Quartz System

A seamless, double-broadcast epoxy quartz system designed specifically for maximum durability. Multiple coats of colored quartz are broadcast into Epoxy-Shell 1000 and top-coated with Poly-Shell Clear for added protection and chemical resistance.

This ultra-durable system is available in standard and custom quartz color combinations.

Seal Coat* / Poly-Shell Clear

Grout Coat / Epoxy-Shell 1000

Quartz Broadcast Coat
Layer 2 / Epoxy-Shell 1000

Quartz Broadcast Coat
Layer 1 / Epoxy-Shell 1000

Prepared Concrete Surface

*Optional

Dura-Shell™ Systems

FEATURES AND BENEFITS

- Outstanding protection against thermal shock
- Superior resistance to shrinkage
- Superior resistance to water exposure, high humidity and temperature extremes
- Apply from 50° to 90°F
- High gloss finish
- Chemical resistant

- Outstanding value
- Low odor
- Mixed VOC < 10 g/L (per EPA Method 24)
- Indoor / Outdoor applications
- Passes 140°F Hot Mug Test
- Graffiti resistant
- Passes 4H pencil hardness test

APPLICATIONS

- Food processing areas
- Bottling areas
- Sanitize / wash areas
- Cook / chill areas
- Amusement parks
- Clean rooms

- Refineries, chemical processing facilities
- Pharmaceutical plants
- Kitchens
- Prison floors
- Storage tank / pipeline exteriors
- Warehouse floors

COVERAGE

Step	Coverage (sq. ft./gal)	Wet Film Thickness (mils)
Base coat / tinted	250	6.4
Layer 1	250	6.4
Grout coat	250	6.4
Seal coat	400	4

Note: Not recommended for Quartz Systems

Dura-Shell Water-Based Clear Coat

A premium two-part high performance clear water-based urethane. A high gloss finish in a low VOC formula.

Clear Coat / Dura-Shell WB Clear

Clear Coat / Dura-Shell WB Clear

Prepared Concrete Surface
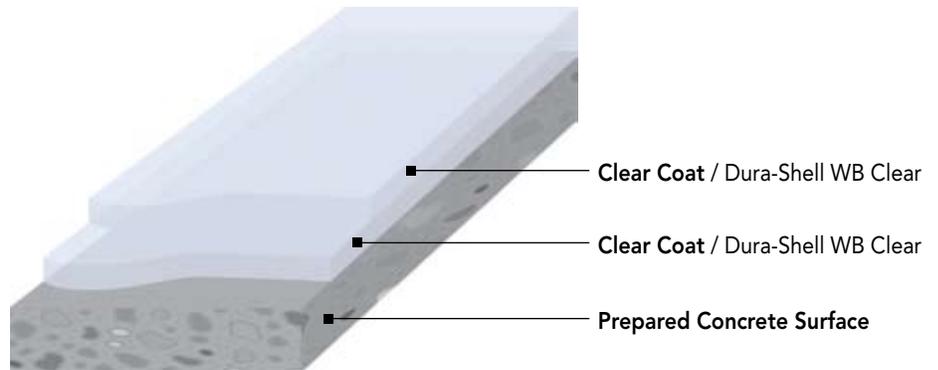
Dura-Shell Water-Based Colors System

Solid color, high gloss coating for both interior/exterior commercial and industrial use. Consists of two coats of Dura-Shell WB Tinted with a Dura-Shell WB Clear top-coat. Dura-Shell Water-Based Colors is the most economical solution for a chemical and abrasive resistant flooring system.

This premium two-component water-based color system is available in two standard colors (Dark Gray and Light Gray).

Seal Coat* / Dura-Shell WB Clear

Layer 1 / Dura-Shell WB Tinted

Base Coat / Dura-Shell WB Tinted

Prepared Concrete Surface
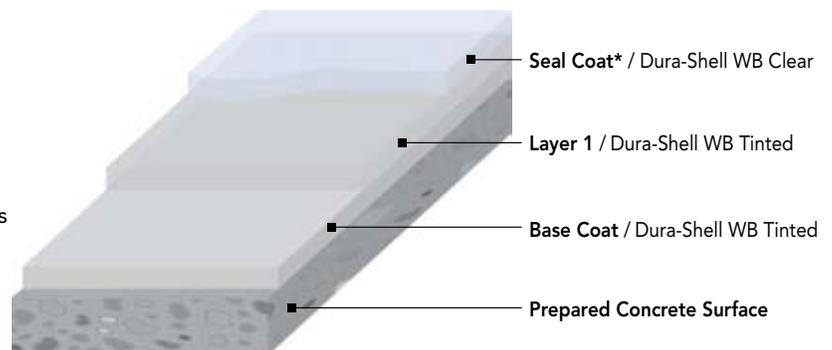
Dura-Shell Water-Based Sparse Flake System

Designed for interior/exterior light industrial or residential use. A high gloss finish that consists of sparsely broadcast vinyl paint chips suspended in layer of Dura-Shell WB Tinted and top-coated with Dura-Shell WB Clear. This system is both durable and chemical resistant.

Available in two standard colors (Dark Gray and Light Gray) and standard and custom vinyl chip combinations.

Seal Coat* / Dura-Shell WB Clear

Grout Coat / Dura-Shell WB Clear

Sparse Flake Broadcast Coat
Layer 1 / Dura-Shell WB Tinted

Prepared Concrete Surface
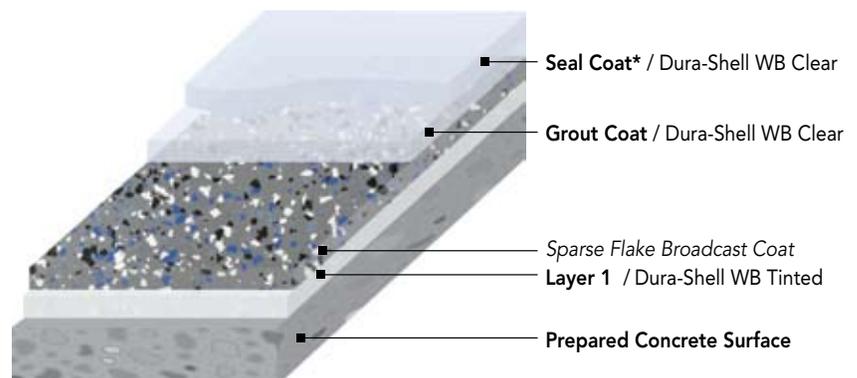
*Optional

Select your finish

Quartz Blends

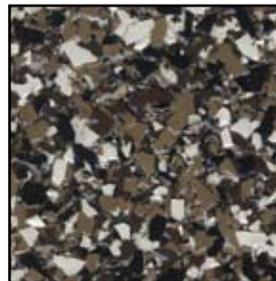|				
Coffee	Desert Sand	Poise	Caramel	Slate
Light Green	Sandalwood	Sage Brush	Light Blue	Blue Granite
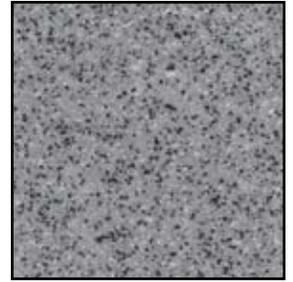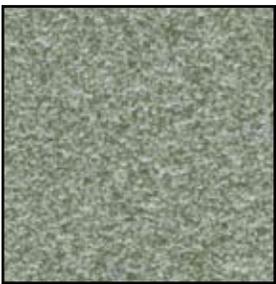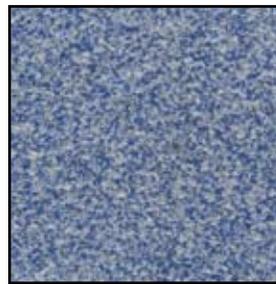
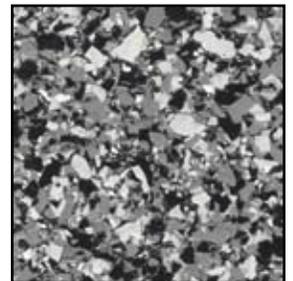## *Flake Blends*
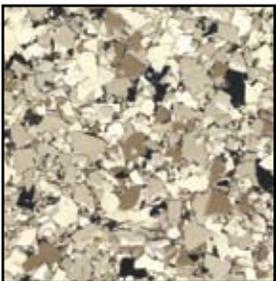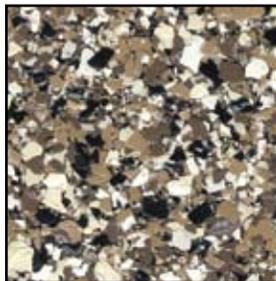
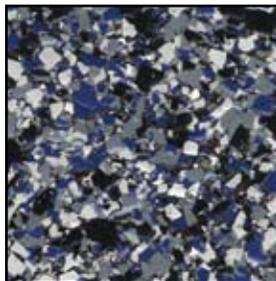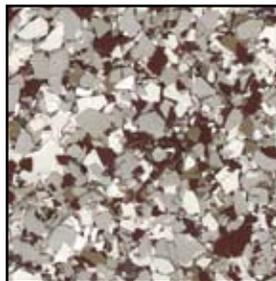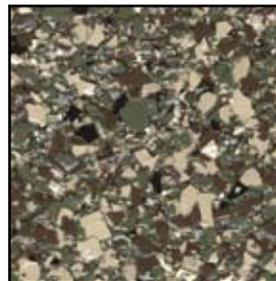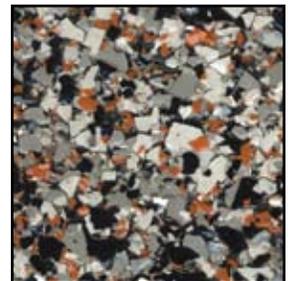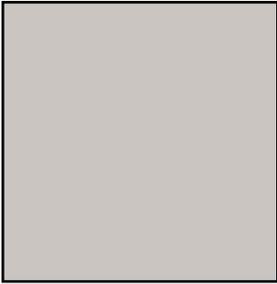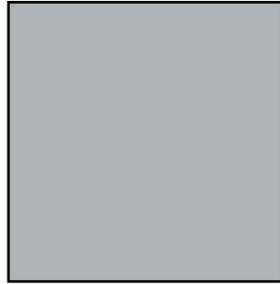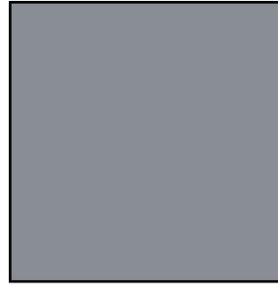|				
Desert Sand	Autumn Brown	Light Earth	Dark Earth	Black Marble
Midnight	Electric Blue	Wine Barrel	Camouflage	Harley Chrome
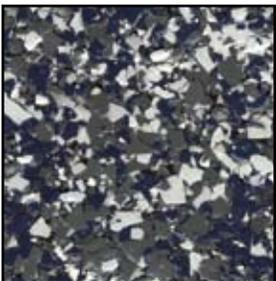
Select your color

Colors

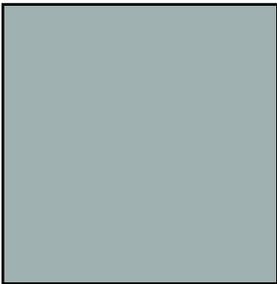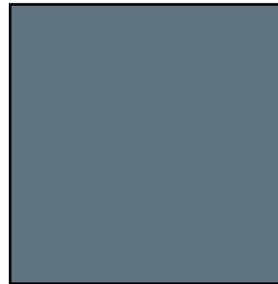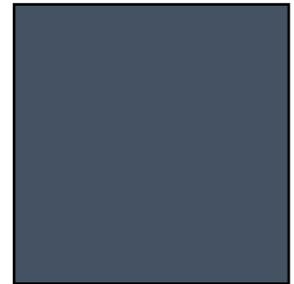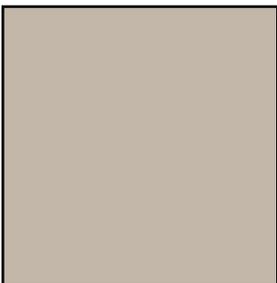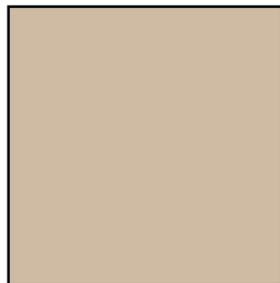|			
New Concrete #919	Armor Gray #921	Slate Gray #922	Charcoal Gray #944
Aqua Mist #910	Pine #947	Gray Sky #952	Twilight Blue #953
Taupe #925	Sand #924	Sahara Desert #918	Cigar #941
Brickstone #955	Black Knight #950	Safety Yellow #957	Safety Blue #958
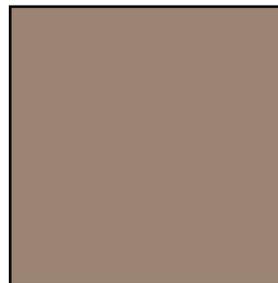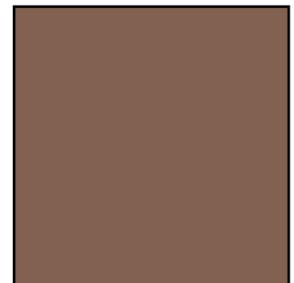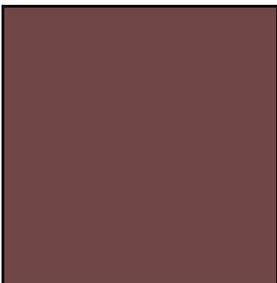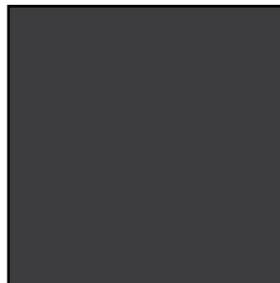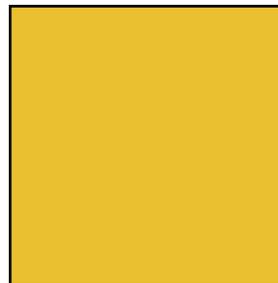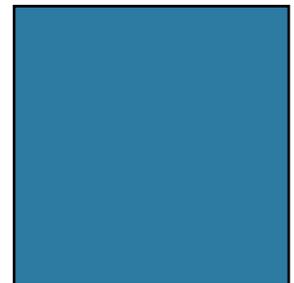
Printed color charts approximate actual color. Final color approval should be made from a physical sample. Final color appearance is affected by specific overlayment, surface texture, methods of application, type of sealer, lighting and contractor placement technique. For best results when using more than one gallon, intermix like colors to ensure color consistency.

SEAL KRETE

HIGH PERFORMANCE
INDUSTRIAL FLOORING SYSTEMS

Prepare your surface area

Thorough preparation is the key to a successful outcome. Taking time now to make sure your surface is free of future roadblocks will aid in the efficiency of project completion and ensure the best possible outcome.

SURFACE PREPARATION
Apply only to concrete surfaces that are sound and solid, free of dust, dirt, grease, and oil. New concrete should be cured a minimum of 30 days. Prepare surface by mechanical means to achieve an International Concrete Repair Institute Guideline No. 03732 concrete surface profile of CSP 3.

TEST FOR MOISTURE AND pH LEVELS
Moisture testing of the concrete surface should be performed. Moisture vapor transmission rate should not exceed 3 lbs. per 1000 sq. ft. in 24 hours as tested in accordance with ASTM E 1907. Test for excess moisture beneath the surface with ASTM D 6263 "Standard Test Method for Sheet Method". Bare concrete should be tested for pH and have a level between 7 and 11.

TEST FOR OIL AND GREASE
When oil and/or grease is present, you risk successful penetration and adherence of the High Performance Industrial Flooring System. The easiest way to test for grease that is not visible is to mist water on the surface. If the water beads up, contaminants are present and must be removed. If the water is absorbed into the concrete surface, there are no oils present.

SURFACE PREPARATION

GRIND FLOOR

FILL CRACKS

GRIND CRACKS

Application guidelines

PRODUCT PREPARATION

MIX COMPOUND

PRODUCT APPLICATION

APPLY PRIMER COAT

BROADCAST MEDIA

FINISH COATS

APPLY GROUT COAT

APPLY SEAL COAT

TRAINING AVAILABLE

Seal-Krete offers monthly in-depth, hands-on classroom application training for our distributors, contractors, and other professionals. Our training and Certified Applicator Certification Program helps ensure that our products deliver the durable beauty for which they are designed. Contact your sales representative for more information.

**Visit
hp.seal-krete.com
for more information
and application tips.**

Product information

Item #	Coating System Kits	Size
240002	Poly-Shell 9000 – Clear	1.5 gal. Kit
242002	Poly-Shell 7000 – Clear	2 gal. Kit
242005	Poly-Shell 7000 – Clear	10 gal. Kit
231003	Epoxy-Shell 1000 – Clear	3 gal. Kit
231005	Epoxy-Shell 1000 – Clear	15 gal. Kit
226001	Dura-Shell WB – Clear	1 gal. Kit
227001	Dura-Shell WB – Light Gray	1 gal. Kit
228001	Dura-Shell WB – Dark Gray	1 gal. Kit

Item #	Surface Prep	Size
852002	Fast Cure High Strength Concrete Repair	2 gal. Kit

Item #	1/4" Flake Blends	Size
953001	Desert Sand	50 lb. Box
953002	Autumn Brown	50 lb. Box
953003	Light Earth	50 lb. Box
953004	Dark Earth	50 lb. Box
953005	Black Marble	50 lb. Box
953006	Midnight	50 lb. Box
953007	Electric Blue	50 lb. Box
953008	Wine Barrel	50 lb. Box
953009	Camouflage	50 lb. Box
953010	Harley Chrome	50 lb. Box
953999	Custom Flake Blend	50 lb. Box

Item #	Quartz Blends	Size
955001	Coffee	50 lb. Bag
955002	Desert Sand	50 lb. Bag
955003	Poise	50 lb. Bag
955004	Caramel	50 lb. Bag
955005	Slate	50 lb. Bag
955006	Light Green	50 lb. Bag
955007	Sandalwood	50 lb. Bag
955008	Sage Brush	50 lb. Bag
955009	Light Blue	50 lb. Bag
955010	Blue Granite	50 lb. Bag
955999	Custom Quartz Blend	50 lb. Bag

Item #	Epoxy-Shell Color Kits	Size
982001	Epoxy-Shell New Concrete #919	1.5 gal. Kit
982002	Epoxy-Shell Armor Gray #921	1.5 gal. Kit
982003	Epoxy-Shell Slate Gray #922	1.5 gal. Kit
982004	Epoxy-Shell Charcoal Gray #944	1.5 gal. Kit
982005	Epoxy-Shell Aqua Mist #910	1.5 gal. Kit
982006	Epoxy-Shell Pine #947	1.5 gal. Kit
982007	Epoxy-Shell Gray Sky #952	1.5 gal. Kit
982008	Epoxy-Shell Twilight Blue #953	1.5 gal. Kit
982009	Epoxy-Shell Taupe #925	1.5 gal. Kit
982010	Epoxy-Shell Sand #924	1.5 gal. Kit
982011	Epoxy-Shell Sahara Desert #918	1.5 gal. Kit
982012	Epoxy-Shell Cigar #941	1.5 gal. Kit
982013	Epoxy-Shell Brickstone #955	1.5 gal. Kit
982014	Epoxy-Shell Black Knight #950	1.5 gal. Kit
982015	Epoxy-Shell Safety Yellow #957	1.5 gal. Kit
982016	Epoxy-Shell Safety Blue #958	1.5 gal. Kit
982999	Epoxy-Shell Custom Color	1.5 gal. Kit

Item #	Poly-Shell Color Packs	Size
981001	Poly-Shell New Concrete #919	32 oz. Can
981002	Poly-Shell Armor Gray #921	32 oz. Can
981003	Poly-Shell Slate Gray #922	32 oz. Can
981004	Poly-Shell Charcoal Gray #944	32 oz. Can
981005	Poly-Shell Aqua Mist #910	32 oz. Can
981006	Poly-Shell Pine #947	32 oz. Can
981007	Poly-Shell Gray Sky #952	32 oz. Can
981008	Poly-Shell Twilight Blue #953	32 oz. Can
981009	Poly-Shell Taupe #925	32 oz. Can
981010	Poly-Shell Sand #924	32 oz. Can
981011	Poly-Shell Sahara Desert #918	32 oz. Can
981012	Poly-Shell Cigar #941	32 oz. Can
981013	Poly-Shell Brickstone #955	32 oz. Can
981014	Poly-Shell Black Knight #950	32 oz. Can
981015	Poly-Shell Safety Yellow #957	32 oz. Can
981016	Poly-Shell Safety Blue #958	32 oz. Can
981999	Poly-Shell Custom Color	32 oz. Can

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