

SP.112 – HERMETIC™ Flake Submittal Package

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Summary of available HERMETIC™ Flake Flooring Systems

HERMETIC™ Flake Flooring is available in the following systems engineered for a variety of specialty applications.

- 1) **SFS-327 (Standard Flake Broadcast)**
A resinous flooring system that incorporates a single layer of blended color flakes.
- 2) **SFF-173 (Standard Flake Broadcast - FAST SET)**
A fast-curing resinous flooring system that incorporates a single layer of blended color flakes.
- 3) **DFS-244 (Double Flake Broadcast)**
A multi-layer resinous flooring system that incorporates two layers of blended color flakes.
- 4) **DFF-289 (Double Flake Broadcast - FAST SET)**
A fast-curing, multi-layer resinous flooring system that incorporates two layers of blended color flakes.
- 5) **UCF-441 (Urethane Cement Flake Broadcast)**
A urethane cement flooring system that incorporates a single layer of blended color flakes.

Contact a local Elite Crete Systems representative for additional help selecting the appropriate flooring system for your needs.

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1. SUBMITTAL OVERVIEW

HERMETIC™ Flake Flooring Systems are durable, seamless, chemical resistant fluid-applied floor coatings. These surfaces provide adjustable levels of slip resistance and color to match any design theme. The finished look is meant to simulate that of terrazzo at a fraction of the price, yet provide a seamless floor that is easy to clean and maintain. Typical system yields 30-40 mils thickness.

1.1 – FEATURES:

- Ease of maintenance
- Aesthetic improvements
- Hygienic seamless finish
- Highly durable and abrasion resistant
- VOC free – CA 01350 air quality compliant
- Stain and chemical resistant
- Antimicrobial
- Satin or gloss finish
- Fast set available for quicker turnaround time
- Meets or exceeds ADA, USDA, & NFPA COF (Coefficient of Friction) requirements

1.2 – USES:

- Food & Beverage
- Grocery Stores
- Airports
- Showrooms
- Retail
- Fire, Rescue & EMS
- Amusement/Theme parks
- Hospitality
- Medical Facilities
- Educational
- Automotive
- Industrial
- Cannabis Dispensaries, Grow, & Retail

1.3 – Physical Properties

Testing results for each flooring system will vary depending on the individual components chosen to meet the specific project requirements. Performance testing results are available by contacting a technical representative, or by visiting www.elitecrete.com/technical-data/

1.4 – Surface Preparation

Contact your local Elite Crete Systems technical representative for information regarding project-specific preparation and recommended testing.

2. PRODUCTS

The following products are intended to be used as part of a complete flooring system and not to be used as standalone products.

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2.1 – Primer Coat Product Options

The products listed in this section can be used for a primer coat. The product being used should be selected based on substrate porosity and in situ relative humidity test results. The primer coat (as pertains to this document only) references the product that is applied directly to a properly prepared concrete substrate.

A) E100-VB5™ – EPOXY VAPOR BARRIER

E100-VB5™ Epoxy Vapor Barrier is a high-solids, low viscosity, two-component epoxy primer system designed to reduce or eliminate out gassing bubbles in concrete and seal out water penetration. Excellent impact resistance, chemical resistance, and superior substrate penetration. Outperforms solvent-based sealers and primers.

Other options may be available for unique substrate conditions. Consult with a local regional manufacturer representative for information about additional options.

2.2 – Base Coat & Secondary Coat Product Options

The products listed in this section can be used for a base coat. The product being used should be selected based on the chosen system and the performance requirements of the project. The base coat (as pertains to this document only) references the product that the vinyl flake media is broadcast into.

A) E100-PT4™ Standard or FAST

E100-PT4™ Pigmented Epoxy is a 100% solid, pigmented, non-shrink, two-component epoxy base and top coat system designed for a wide variety of applications. Will not blush or water spot and exhibits excellent physical and chemical resistant properties. This product is available as a standard set with 8-10 hour cure time, or FAST set with 4-6 hour cure time (at 72F/22C).

B) E100-VR4™

E100-VR4™ Pigmented Epoxy is a 100% solid, pigmented, non-shrink, two-component epoxy base and top coat system designed for a wide variety of applications. Will not blush, discolor, or water spot and exhibits excellent physical and chemical resistant properties. E100-VR4™ is specifically designed for incidental interior UV exposure.

C) E100-UL7™

E100-UL7™ is a two-component, 100% solids, underlayment epoxy floor coating for commercial and industrial use. E100-UL7™ is a clear epoxy resin designed for use as a cost-effective base coat for broadcast flooring, sealing concrete, binder for epoxy mortars, and crack treatment adhesive. Available in clear only or can be pigmented in the field with special powdered or liquid pigment.

D) E100-PT1™ Standard or FAST

E100-PT1™ Clear Epoxy is 100% solids, low viscosity, water-clear, non-shrink, two-component epoxy designed for a wide variety of applications. E100-PT1™ Clear Epoxy will not blush or water spot and has excellent physical and chemical resistant properties. E100-PT1™ Clear Epoxy is available in

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standard and fast set formulas. This product is available as a standard set with 7-8 hour cure time, or FAST set with 3-4 hour cure time (at 73F/23C).

E) E100-UV1™ Standard or FAST

E100-UV1™ Clear Epoxy is 100% solids, medium viscosity, water clear, non-shrink, two-component epoxy coating, designed for a wide variety of applications. E100-UV1™ Clear Epoxy will not blush or water spot and has excellent physical and chemical resistant properties.

F) E100-VR1™

E100-VR1™ is 100% solids, UV resistant, low viscosity, clear, high gloss, two-component epoxy coating, specifically designed for incidental interior exposure to UV attack. Bonds to slightly damp concrete and is not affected by high humidity. Resistant to microbial growth.

G) SPARTIC-ALL™ RM

SPARTIC-ALL™ RM is a high solid, water clear, non-shrink, two-component polyaspartic ester floor coating. Used for a multitude of applications. Exhibits a higher abrasion resistance and stain resistance as compared to most epoxy coatings. SPARTIC-ALL™ RM is UV resistant and has long-term durability to constant traffic.

H) 4.8S™ Urethane Cement

HERMETIC™ 4.8S Urethane Cement Slurry is a three-component urethane slurry that is applied by screed rake to concrete floors and broadcast to excess with 50 mesh dry silica quartz, color quartz, or vinyl flake media, to create a non-slip floor for wet areas. Unaffected by forced hot steam up to 230°F / 110°C and will cure in cold damp conditions. Fast setting and resistant to a variety of chemicals.

2.3 – Flake Broadcast Options

The products listed in this section can be used for a base coat. The product being used should be selected based on the chosen system and the performance requirements of the project. The base coat (as pertains to this document only) references the product that the vinyl flake media is broadcast into.

A) Vinyl Flake Media

Specially formulated paint aggregates used to enhance the aesthetic and ergonomic qualities of resinous performance flooring and wall coating systems. Vinyl flake media is available in a wide range of colors, sizes, styles and blends to meet your design needs.

If a double broadcast system is needed, repeat base coat application and flake broadcast.

2.4 – Body Coat Product Options

The products listed in this section can be used for a body coat. The product being used should be selected based on the chosen system and the performance requirements of the project. The body coat (as pertains to this document only) references the product that goes over the flake broadcast.

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A) SPARTIC-ALL™ RM

SPARTIC-ALL™ RM is a high solid, water clear, non-shrink, two-component polyaspartic ester floor coating. Used for a multitude of applications. Exhibits a higher abrasion resistance and stain resistance as compared to most epoxy coatings. SPARTIC-ALL™ RM is UV resistant and has long-term durability to constant traffic.

B) E100-PT1™ Standard or FAST

E100-PT1™ Clear Epoxy is 100% solids, low viscosity, water-clear, non-shrink, two-component epoxy designed for a wide variety of applications. E100-PT1™ Clear Epoxy will not blush or water spot and has excellent physical and chemical resistant properties. E100-PT1™ Clear Epoxy is available in standard and fast set formulas.

C) E100-UV1™ Standard or FAST

E100-UV1™ Clear Epoxy is 100% solids, medium viscosity, water clear, non-shrink, two-component epoxy coating, designed for a wide variety of applications. E100-UV1™ Clear Epoxy will not blush or water spot and has excellent physical and chemical resistant properties.

D) E100-VR1™

E100-VR1™ is 100% solids, UV resistant, low viscosity, clear, high gloss, two-component epoxy coating, specifically designed for incidental interior exposure to UV attack. Bonds to slightly damp concrete and is not affected by high humidity. Resistant to microbial growth.

2.5 – Protective Top Coat Product Options

The products listed in this section can be used for a protective top coat. The product being used should be selected based on the chosen system and the performance requirements of the project. The protective top coat (as pertains to this document only) references the final coating that goes over the initial top coat.

A) AUS-V™ (Used only with E100 products)

AUS-V™ is a high quality, extremely durable, clear, two component, protective urethane coating for epoxy coatings such as the E100™ Series Epoxies, the REFLECTOR™ Enhancer Flooring Systems and the HERMETIC™ Flooring Systems.

B) SPARTIC-ALL™ RM

SPARTIC-ALL™ RM is a high solid, water clear, non-shrink, two-component polyaspartic ester floor coating. Used for a multitude of applications. Exhibits a higher abrasion resistance and stain resistance as compared to most epoxy coatings. SPARTIC-ALL™ RM is UV resistant and has long-term durability to constant traffic.

Other options may be available for unique project requirements. Consult with a local regional manufacturer representative for information about additional options.

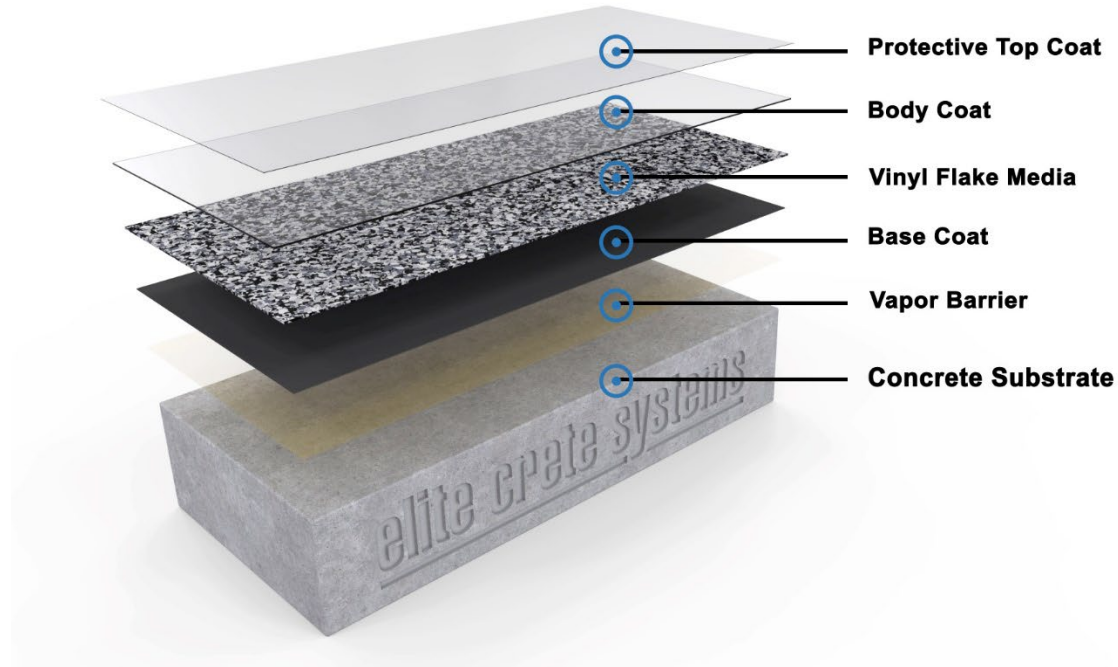
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3. REFERENCE MODEL

3.1 – HERMETIC™ Flake 3D Floor Model



Reference models are for illustration purposes only and do not depict all available options.

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4. COLOR CHART

4.1 – HERMETIC™ Flake Color Options



Dove
(FB-413)



Latte
(FB-822)



Sandstone
(FB-421)



Desert Stone
(FB-504)



Sahara
(FB-517)



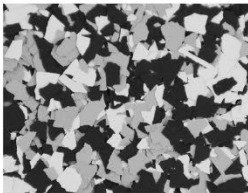
Driftwood
(FB-716)



Sedona
(FB-004)



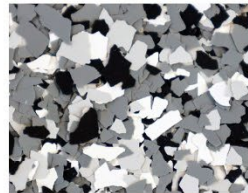
Hazy Blue
(FB-807)



Orca
(FB-411)



Gibraltar
(FB-427)



Battleship
(FB-616)



Slate
(FB-414)



Pebble
(FB-713)



Calico
(FB-424)



Twilight
(FB-715)



Abyss
(FB-310)

Note: The colors on this chart are represented as closely as possible. Variations should be expected due to differences in; substrate condition thickness of application, speed of curing, blending of colors, application method and color of initial primer coat. For additional information, see all related Product Information and Technical Data sheets located at elitecrete.com.

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5. MAINTENANCE

5.1 – General Maintenance

If general care is provided and recommended guidelines observed, the decorative appearance and life of all resinous flooring will be extended.

REFER TO DOCUMENT PI.605 FOR ADDITIONAL CARE AND MAINTENENCE INSTRUCTIONS

6. ADDITIONAL APPLICATION OPTIONS

6.1 – Cove Base

E100-PTG™ Cove Base Resin Gel is a 100% solids, thixotropic clear resin designed for use on vertical applications. (For more information, see document: TD.525 - E100-PTG™)

6.2 – Wall Coating

HERMETIC™ CVP Ceramic Wall Coating is a 100% solids, high gloss vertical finish with superior abrasion and chemical resistance. (For more information, see document: TD.767 - HERMETIC™ CVP)

Contact your local Elite Crete Systems technical representative for more information about additional applications options.

