

SP.151 – HERMETIC™ Urethane Cement Submittal Package

Revised: 04/05/2022 Version: 1.1

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Summary of available HERMETIC™ Urethane Cement Flooring Systems

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

- 1) **UCN-438 (Urethane Cement Neat)**
A urethane cement flooring system with optional top coat.
- 2) **UCS-512 (Urethane Cement Stout)**
A urethane cement flooring system with a silica quartz broadcast.
- 3) **UCQ-919 (Urethane Cement Quartz)**
A urethane cement flooring system with a color quartz broadcast.
- 4) **UCF-441 (Urethane Cement Flake)**
A urethane cement flooring system with a vinyl flake broadcast.

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™ Urethane Cement Flooring Systems are durable, seamless, chemical resistant fluid-applied floor coatings. These surfaces provide adjustable levels of slip resistance and are available in a range of colors. The finished flooring system is intended to offer additional impact and abrasion resistance. Typical system thickness varies depending on project requirements.

1.1 – FEATURES:

- Ease of maintenance
- Aesthetic improvements
- Increased slip resistance in wet areas
- Hygienic seamless finish
- Highly durable with excellent abrasion resistance
- 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
- 20 standard colors with optional custom colors

1.2 – USES:

- Fire, Rescue & EMS
- Food & Beverage Processing
- Industrial
- Amusement/Theme parks
- Hospitality
- Medical Facilities
- Educational
- Automotive
- Cannabis Dispensaries & Grow Facilities
- Public Restrooms & Locker Rooms
- Grocery Stores
- 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 – Base 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 initial application of urethane cement.

A) 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 to create a surface unaffected by forced hot steam up to 230°F / 110°C that will cure in cold damp conditions. Fast setting and resistant to a variety of chemicals. Slip resistant additives are available.

2.2 – Broadcast Media 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) Silica Quartz Media

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

B) Colored Quartz Media

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

C) 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.

2.3 – 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 application over broadcast media.

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).

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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 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) HERMETIC™ 2.2T

HERMETIC™ 2.2T is a 100% solids, three component, cementitious urethane topcoat, specifically designed for top coating HERMETIC™ 4.8S and HERMETIC™ 7.9M thermal shock resistant overlays. HERMETIC™ 2.2T is a fast setting thermal shock resistant topcoat designed for when a 100% urethane flooring system is required.

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2.4 – 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 base/body coat.

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

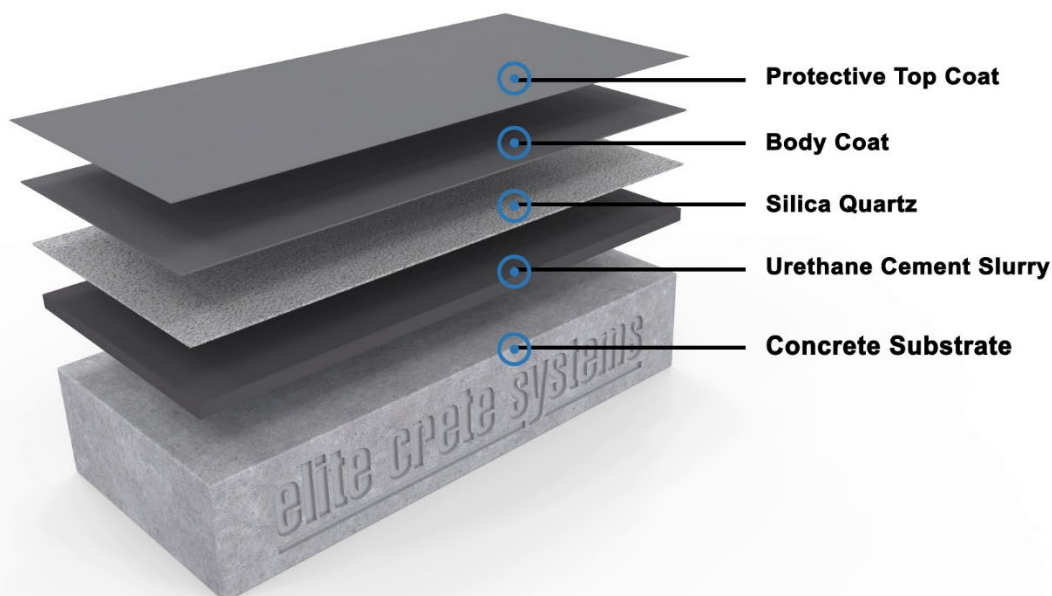
AUS-V™ is a high quality, extremely durable, clear, two component, protective urethane coating for epoxy coatings such as the E100™ Series Epoxies, the REFLECTOR™ Enhancer Flooring Systems and the HERMETIC™ Flooring Systems.

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.

3. REFERENCE MODEL



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

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. **Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose,** nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.

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4. COLOR CHART

4.1 – HERMETIC™ Urethane Cement Color Chart



Light Gray



Medium Gray



Dark Gray



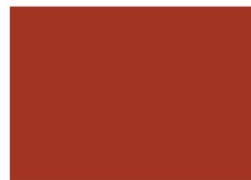
White



Black



Tan



Red



Safety Yellow

For additional information, visit: elitecrete.com

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.

