Elite Crete Systems, Inc.
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Summary of available HERMETIC™ Novolac Flooring Systems

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

1) NOV-516 (Novolac Chemical Resistant Coating)

A resinous flooring system that incorporates multiple layers of novolac epoxy.

2) UCN-438 (Urethane Cement Novolac)

A urethane cement flooring system with optional novolac top coat.

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™ Novolac Flooring Systems are highly chemical resistant coatings for immersion service subjected to corrosive reagents such as 98% sulfuric acid, nitric acid, and most bases and solvents. Excellent for most flooring, wall, and equipment coating applications where extreme chemical resistance is required.

1.1 – FEATURES:

- Bonds to concrete, steel, and other substrates
- Resistant to most chemical reagents (splash & spill)
- Provides a tough wearing surface for most industrial traffic
- Resistant to concentrated sulfuric acid (1-98%) in immersion
- USDA and CFIA compliant

1.2 – USES:

- Barrier coating for most corrosive acids, alkalis, and solvents
- Horizontal applications
- Industrial floors
- Secondary containment areas
- Can be used as a neat, broadcast, or mortar application

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.

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.

Can be used for limited project conditions. Consult with a local regional manufacturer representative for more information.

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2.2 – 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 first application of epoxy.

A) E100-NV4™ / E100-NV5™

E100-NV4™ / E100-NV5™ Novolac Protective Coatings are highly chemical resistant coatings for splash and spills or full immersion service subjected to corrosive reagents such as 98% sulfuric acid, nitric acid, and most bases and solvents. Excellent for most flooring, wall, and equipment coating applications where chemical resistance is required. Refer to TD.400 for more specific chemical resistance information.

B) 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.

2.3 – 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 second application of epoxy.

A) E100-NV4™ / E100-NV5™

E100-NV4™ / E100-NV5™ Novolac Protective Coatings are highly chemical resistant coatings for splash and spills or full immersion service subjected to corrosive reagents such as 98% sulfuric acid, nitric acid, and most bases and solvents. Excellent for most flooring, wall, and equipment coating applications where chemical resistance is required. Refer to TD.400 for more specific chemical resistance information.

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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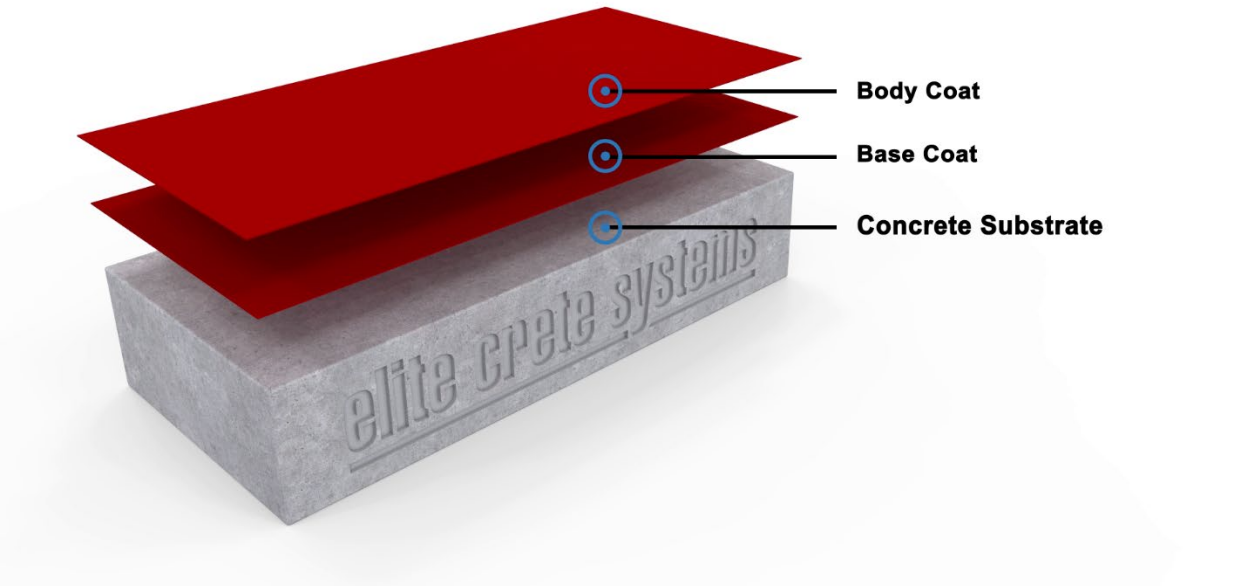
3. REFERENCE MODEL

3.1 – HERMETIC™ Novolac 3D Floor Model



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

4. COLOR OPTIONS

4.1 – HERMETIC™ Novolac Color Options

- Clear
- Brick Red
- Custom colors available, under limited project conditions

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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-NV4™ / E100-NV5™ Cove Base Mix Designs are highly chemical resistant mortars for splash and spills or full immersion service subjected to corrosive reagents such as 98% sulfuric acid, nitric acid, and most bases and solvents. Excellent for most flooring, wall, and equipment coating applications where chemical resistance is required. Refer to TD.400 for more specific chemical resistance information.

6.2 – Wall Coating

E100-NV4™ / E100-NV5™ Wall Coatings are highly chemical resistant coatings for splash and spills or full immersion service subjected to corrosive reagents such as 98% sulfuric acid, nitric acid, and most bases and solvents. Excellent for most flooring, wall, and equipment coating applications where chemical resistance is required. Refer to TD.400 for more specific chemical resistance information.

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