



# KEY CONTAIN NOVOLAC COATING SYSTEM 25-30 Mils

## DESCRIPTION

**KEY CONTAIN NOVOLAC COATING SYSTEM** is a high-build epoxy novolac coating system designed to provide a seamless floor-to-wall-to-ceiling surface that is easy to clean and maintain. **KEY CONTAIN NOVOLAC COATING SYSTEM** has excellent chemical resistance and is ideal for a wide variety of severe chemical exposure areas.

## KEY ADVANTAGES

- Excellent Chemical Resistance to Strong Acids, Caustics, most Industrial Chemicals and Solvents.
- Improves Wear, Abrasion & Chemical Resistance of Concrete Floors.
- Seamless Surface Inhibits Bacteria Growth.
- Low Odor for use in Occupied Areas (0-VOC).
- Easily Maintained.

## KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F.
- Substrate must be free of hydrostatic pressure, moisture transmission, paint, curing agents, and other foreign materials. Refer to Technical Bulletin #1.
- Substrate irregularities will transmit through coating system.

## TYPICAL USES

**KEY CONTAIN NOVOLAC COATING SYSTEMS** are typically installed in light to medium traffic areas that require a cleanable, durable, chemical resistant coating such as secondary containment, solvent storage, chemical process areas, pump pads, trenches and other severe chemical exposure areas.

## COLOR

**KEY CONTAIN NOVOLAC COATING SYSTEM** is available in a variety of standard colors. Custom colors are available subject to laboratory approvals, minimum quantities, lead time for production, and increased cost.

## COMPOSITION

**KEY CONTAIN NOVOLAC COATING SYSTEM** is a 100% solids novolac epoxy coating system.

## TYPICAL PROPERTIES & PERFORMANCE DATA

Flammability ASTM-D-635	Self Extinguishing
Fungus & Bacteria Growth MIL-F-52505 §4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests.
Hardness ASTM-D-2240	80-84 Shore D
Bond Strength to Concrete ACI COMM #403, Bulletin 59-43	300 psi (100% concrete failure)
Abrasion Resistance ASTM C-501	32 mg
Chemical Resistance	Refer to Key Resin Chemical Resistance Guide for Key #633
VOC	Zero
Water Absorption ASTM-D-570	Nil
Impact Resistance Mil-D-3134F §4.7.3	Will chip with concrete
Compressive Strength ASTM C-579	N/A
Tensile Strength ASTM C-307	N/A
Thermal Coefficient of Expansion ASTM C-531	N/A

## APPLICATION

### SURFACE PREPARATION

Surface preparation is the most critical portion of any successful resinous flooring system. All substrates must be properly prepared as outlined in Key Resin Company's Technical Bulletin #1. Work must be performed by trained or experienced contractors or maintenance personnel.

Concrete surface must be free of dirt, waxes, curing agents, any other foreign materials, and must be structurally sound. Surfaces should be vacuum shot blasted to "open" surface porosity or by diamond grinding with coarse stones. Surface profile must be a minimum CSP-3-CSP-5 profile according to International Concrete Repair Institute Guideline #03732.

Concrete surfaces should be tested for moisture vapor transmission or moisture content according to ASTM-F-2170 (Relative Humidity in Concrete Floor Slabs using in situ probes) and ASTM-F-1869 (Measuring Moisture Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride). If test results confirm excess moisture, apply **Key #635 MVT** prior to installation of **KEY CONTAIN NOVOLAC COATING SYSTEM**.

### INSTALLATION DETAILS

Refer to **KEY CONTAIN NOVOLAC COATING SYSTEM** Installation Instructions document available from Key Resin Technical Services.

## AVAILABILITY

**Key Resin Products** are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

## TECHNICAL SERVICE

**Key Resin Company** and **KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888) 943-4532.

## WARRANTY

**Key Resin Company ("Key")** warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of **Key**. If any product fails to meet this warranty, the liability of **Key** will be limited to replacement of any non-conforming material if notice of such non-conformity is given to **Key** within (1) one year of delivery of materials. **Key** may in its discretion refund the price received by **Key** in lieu of replacing the material. No customer, distributor, or representative of **Key** is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of **Key**. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. **Key** reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANT-ABILITY OR FITNESS FOR PURPOSE. **KEY'S** OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND **KEY** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.