

## Self-Leveling Econo Colored Flake Overlay System

### SYSTEM DESCRIPTION

XCL-Guard<sup>™</sup> Self-Leveling Econo Colored Flake Overlay System is a high strength, low VOC, 100% solid, urethane cement based, 1/8" – 3/16" self-leveling overlay flooring system with an acrylic topcoat and decorative colored flake broadcast.

### SYSTEM BENEFITS

- Designed to handle higher temperatures
- Seamless finish that allows for a hygienic, cleanable flooring system
- Non-porous, waterproof surface
- Easily repairable and recoatable
- Chemically resistant to most non-solvent based contaminants and aggressors
- Matching seamless cove base for wall protection
- UV stable for indoor or outdoor application
- Designed specifically to withstand heavy impact and traffic
- Minimal maintenance required
- Aesthetically pleasing with many colored flake options

### SYSTEM COMPONENTS

**Primer (if required):** HD-P  
**Body Coat:** PUR-Guard HD-SLE  
**Topcoat:** Two coats of MAC-925 Topcoat

### PHYSICAL CHARACTERISTICS

**Compressive Strength (ASTM C-579, psi):** 5,800

**Tensile Strength (ASTM C307, psi):** 3,850

**Modulus of Elasticity (lbf./sq. in.):** 19,500

**Impact Resistance:** No visible damage at minimum 160 in./lb.

**Hardness (ASTM D-2240, Shore D):** 87

**Abrasion Resistance (ASTM D-4060, CS-17, mg):** 50

**Adhesion:** Exceeds the tensile/cohesive strength of concrete

**Coefficient of Friction (ASTM D 2047):** Meets or exceeds ADA recommendations when a slip-resistant broadcast is added

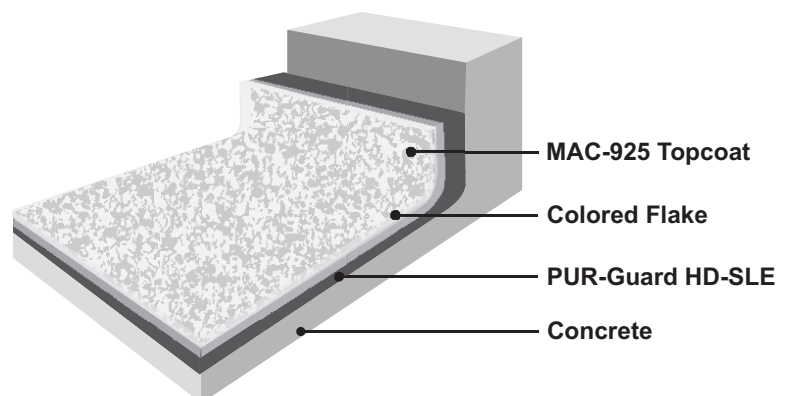
**Water Absorption (ASTM C-413, wt.%):** < 0.1

**Water Vapor Transmission (DIN53122, g/cm-hr-mmHg x 10<sup>-9</sup>):** 1.43

**VOC Content (ASTM D-2369, Method E):** PUR-Guard HD-SLE – 0 g/l  
 MAC-925 Topcoat – 70 g/l

**Cure Time:** HD-SLE: 8 – 10 hrs. @ 70° F recoats/light traffic, 24 hrs.  
 @ 70° F full service  
 MAC-925: 45 – 60 minutes

**Installation Temperature Range:** 60° F to 80° F



## PRIMING

If concrete out-gassing occurs resulting in surface irregularities, the substrate should be primed with PUR-Guard single component primer. The primed area should be allowed to dry tack free before proceeding with the HD-SLE application. Installation of a test patch may be helpful to determine if priming is necessary.

## COLOR OPTIONS

Colored flakes are available as standard or custom blends in 1/4" or 1/16" (micro-flake) sizes. It is recommended to use a minimum of three colors in your design, a base and two accent colors. Please refer to the Res-Tek Color Chart or ask your Res-Tek representative for specific color options.

## SLIP RESISTANCE

Flake systems have some inherent slip-resistance. Depending on the environment, different sizes and rates of aluminum oxide can be added to the system to increase slip-resistance to the desired level. Please consult your Res-Tek representative for more information.

## COVE BASE

All Res-Tek floor systems can include an integral 4" or 6" cove base.

## FLEXIBLE MEMBRANES

Flexible membranes are available if required. Please consult your Res-Tek representative to select specific options based on your needs.

## MOISTURE MITIGATION

Additional products are required if waterproofing or moisture mitigation is needed. Please consult your Res-Tek representative for more information.

## CLEANING & MAINTENANCE

Res-Tek flooring systems require little routine maintenance. No stripping or waxing is required. However, a regular cleaning schedule will increase service life and aid in maintaining aesthetics. Please refer to the Cleaning & Maintenance Guide for specific instructions.



## MIXING & APPLICATION

Please refer to the Product Data Sheets and Application Guide for specific instructions.

## PACKAGING

Products are sold by weight, not by volume. Product properties require that containers provided are not completely filled. See price sheet for actual container weights and volumes.

## STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. Do not store near open flame or ignition source. Read and understand all product labels and SDS sheets prior to use.

## WARRANTY

Res-Tek Inc. warrants material for 1 year if used and stored in accordance with Res-Tek's specified application procedure. Res-Tek Inc. has no responsibility for application and processing of products. Joint issued warranties are available by request when a Res-Tek approved applicator is selected for installation.