Self-Leveling Colored Quartz Overlay System

SYSTEM DESCRIPTION

XCL-Guard™ Self-Leveling Colored Quartz Overlay System is a high strength, 100% solid, urethane cement based, 1/4" – 5/16" self-leveling overlay flooring system with an acrylic topcoat and decorative colored quartz broadcast.

SYSTEM BENEFITS

- Meets FDA/USDA requirements
- 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 quartz options

SYSTEM COMPONENTS

Primer (if required): HD-P
Body Coat: PUR-Guard HD-SL
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): 20

Adhesion: Exceeds the tensile/cohesive strength of concrete

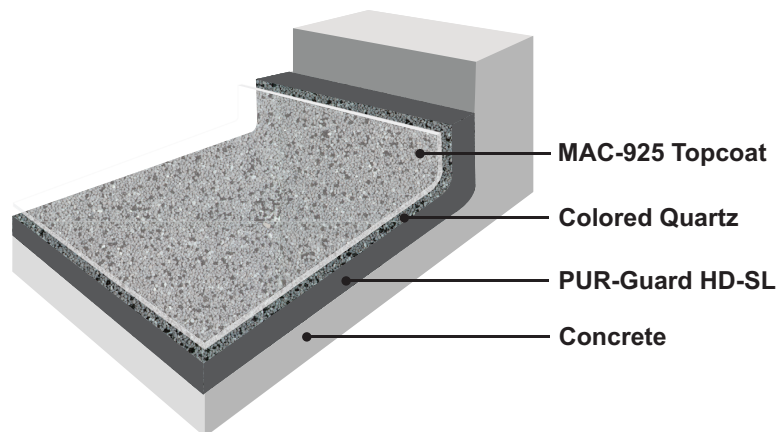**Coefficient of Friction (ASTM D 2047):** Meets or exceeds ADA recommendations

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

Water Vapor Transmission (DIN53122, g/cm-hr-mmHg x 10^{-9}): 1.43

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

Cure Time: HD-SL: 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

- MAC-925 Topcoat
- Colored Quartz
- PUR-Guard HD-SL
- Concrete

PRIMING

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

COLOR OPTIONS

Colored quartz is available as standard or custom blends. 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

Quartz systems are slip-resistant by design. Adjustments can be made to the topcoat thickness to accommodate less aggressive applications.

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.

RES-TEK ®

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