High Traffic Self-Leveling Econo Solid Color Overlay System

SYSTEM DESCRIPTION

XCL-Guard™ High Traffic Self-Leveling Econo Solid Color Overlay System is a high strength, low VOC, 100% solid, urethane cement based, 1/8" – 3/16" self-leveling overlay flooring system with a high traffic urethane topcoat and RT-Sand broadcast.

SYSTEM BENEFITS

- Seamless finish that allows for a hygienic, cleanable flooring system
- Non-porous, waterproof surface
- 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
- Several standard color options

SYSTEM COMPONENTS

Primer (if required): HD-P
Body Coat: PUR-Guard HD-SLE
Grout Coat: EPO-204 pigmented
Topcoat: ISO-103 High Traffic Urethane Topcoat pigmented

COLOR OPTIONS

Refer to the Res-Tek EPO-Guard Color Guide for our standard offerings.

PHYSICAL CHARACTERISTICS

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

Tensile Strength (ASTM C307, psi): 3,200

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

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

Hardness (ASTM D-2240, Shore D): 76

Abrasion Resistance (ASTM D-4060, CS-17, mg): 10

Adhesion: Exceeds the tensile/cohesive strength of concrete

Coefficient of Friction (ASTM D 2047): Meets or exceeds ADA recommendations
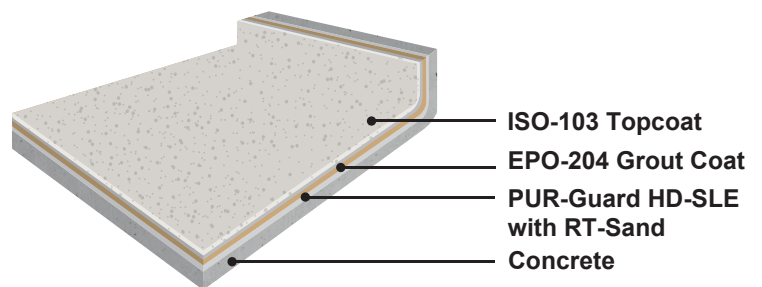
Water Absorption (ASTM C-413, wt.%): .< 0.1

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

VOC Content (ASTM D-2369, Method E): PUR-Guard HD-SLE – 0 g/l
EPO-204 – 0 g/l
ISO-103 - 80 g/l

Cure Time: HD-SLE: 8 − 10 hrs. @ 70°F recoats/light traffic, EPO-204 12-20 hrs. @ 70°F recoats/light traffic, ISO-103 24 hrs light foot traffic, 3 days medium duty traffic, 7 days full service

Installation Temperature Range: 60° F to 80° F

ISO-103 Topcoat
EPO-204 Grout Coat
PUR-Guard HD-SLE with RT-Sand
Concrete

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.

SLIP RESISTANCE

Aluminum oxide or or industrial silica 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.