Flexible Self-Leveling Colored Quartz Overlay System

SYSTEM DESCRIPTION

MAC-Guard™ Flexible Self-Leveling Colored Quartz Overlay System is a high strength, 100% reactive methyl-methacrylate based, 3/16" – 1/4" self-leveling overlay flooring system with decorative colored quartz broadcast featuring enhanced elongation properties.

SYSTEM BENEFITS

- Meets FDA/USDA requirements
- One-hour cure reduces operational downtime
- Seamless finish that allows for a hygienic, cleanable flooring system
- Improved elongation
- 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
- No waxing required, reducing your maintenance costs
- Aesthetically pleasing with many colored quartz options

SYSTEM COMPONENTS

Primer:	MAC-710 Primer with RT-R-Component
Flexible Membrane:	MAC-815 Flexible Resin
Body Coat:	MAC-815 Overlay Resin with RT-Filler SL and RT-Pigment
1st Topcoat:	MAC-800 Overlay Resin
2nd Topcoat:	MAC-925 Topcoat

PHYSICAL CHARACTERISTICS

Compressive Strength (ASTM C-579, psi): 5,000

Membrane Elongation @ Break (ASTM D638, %): 180%

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

Tensile Modulus (ASTM C307, psi): 470,000

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

Abrasion Resistance (ASTM D-4060, CS-17, mg): 20

Water Absorption (ASTM C-413, wt.%): .05

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

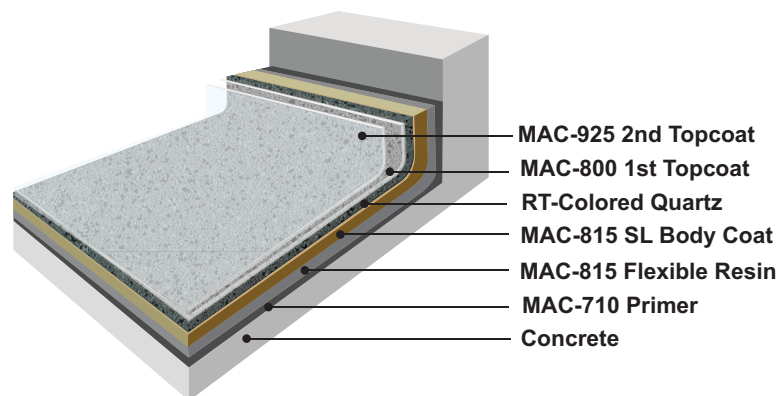**VOC Content (ASTM D-2369, Method E):** MAC-710 Primer - 48 g/l
MAC-800 Overlay Resin - 75 g/l
MAC-815 - 44 g/l
MAC-925 Topcoat - 70 g/l

Cure Time: 45-60 minutes

Installation Temperature Range: -15º F to 100º F

- MAC-925 2nd Topcoat
- MAC-800 1st Topcoat
- RT-Colored Quartz
- MAC-815 SL Body Coat
- MAC-815 Flexible Resin
- MAC-710 Primer
- Concrete

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 MAC-Guard floors 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 MAC-Guard 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.