

PRODUCT DESCRIPTION

MAC-Guard[™] MAC-925 Topcoat is a 100% reactive, acrylic resin based on methyl-methacrylate (MMA) that cures in one hour. MAC-925 is designed to be applied as a clear final layer of a Res-Tek flooring system. MAC-925 has a low viscosity and provides a high degree of protection from mechanical abrasion, chemicals, and UV light.

TYPICAL USES

MAC-Guard MAC-925 Topcoat is applied neat over a Res-Tek self-leveling (SL), colored quartz (CQ) or colored flake (CF) floor as the last coat of the system. It is typically applied in two coats @ 15-20 mils/coat. The first coat protects the entire system by locking in broadcast media, while the second coat provides the first line of defense against water, chemicals, UV light, and other contaminants.

PHYSICAL CHARACTERISTICS

Viscosity (ASTM D2196, cPs): 38-48

Density (ASTM D1475, lbs/gal.): 8.16

Tensile Strength (ASTM D638, psi): 3,850

Shore D Hardness (ASTM D2240): 85

Coefficient of Thermal Expansion (ASTM D696, in./in./°F): 0.000035

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

Water Absorption (ASTM D570, wt.%): .05

Electrical Resistivity (ASTM D257):

Volume Resistance (ohm-cm): 10¹⁵

Surface Resistance (ohm): 10¹²

Pot Life: 15-20 minutes

Cure Time: 45-60 minutes

Shelf Life: Minimum 1 year from ship date (unopened)

DOT Classification: Flammable Liquid, Class 3, UN 186

PROPERTIES

- Chemically bonds to other MAC-Guard system components.
- Low viscosity makes for easy application with a roller or brush.
- UV stable.
- Cures in one hour.
- Cures at temperatures ranging from -15°F - 100°F.
- 100% reactive — VOC compliant.
- Excellent chemical, mechanical, scratch resistance

APPLICATION OF MATERIALS

MAC-Guard MAC-925 Topcoat is applied at a rate of 80-120 sq. ft. per gallon depending on system surface profile, using a medium nap roller or brush.

It is necessary to follow the mix ratios found in the MAC-Guard Dosing Chart.

RES-TEK INC.

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MAC-Guard™

MAC-925

Topcoat

SURFACE PREPARATION

Once the previous coat has fully cured and excess media has been removed, topcoats may be applied. When applying over a flake system it is necessary to sand between topcoats. If following a different application schedule, please contact your Res-Tek representative.

STANDARD PACKAGING

MAC-Guard MAC-925 Topcoat is packaged in 38 lb pails and 400 lb drums. Powder Hardener (RT-BPO-50) is available in 10 lb containers and 55 lb boxes.

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

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.

CAUTION

MAC-Guard MAC-925 Topcoat is a flammable liquid in its uncured state (as provided). All sources of ignition should be removed from the work area before handling this product. No smoking, open flames, or sparks should be permitted in and around the work area. Workers should wear protective clothing including goggles and impermeable gloves. If allowable exposure limits are exceeded, organic vapor respirators should be worn. All on-site personnel should become familiar with the SDS and hazard section of application binder in order to increase hazards awareness.

WARRANTY

Res-Tek Inc. warrants that materials shipped to buyers are free of any defects in material or workmanship according to Res-Tek's published data if used in accordance with Res-Tek's specified application procedure. Res-Tek Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Res-Tek's application guidelines. Res-Tek Inc. has no responsibility for application and processing of products.

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