

## PRODUCT DESCRIPTION

MAC-Guard<sup>™</sup> MAC-935 Solid Color Topcoat is a 100% reactive, acrylic resin based on methyl-methacrylate (MMA) that cures in one hour. MAC-935 is designed to be applied as the final pigmented layer of a Res-Tek flooring system. MAC-935 has a medium viscosity and provides a high degree of protection from mechanical abrasion, chemicals, and UV light. MAC-935 should only be applied as a solid color with pigment over a self-leveling system.

## TYPICAL USES

MAC-Guard MAC-935 Solid Color Topcoat is applied neat over a Res-Tek self-leveling (SL), or roll-coat (RC) with sand 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):** 200-230

**Density (ASTM D1475, lbs/gal.):** 8.25

**Tensile Strength (ASTM D638, psi):** 5,974

**Shore D Hardness (ASTM D2240):** 85

**Coefficient of Thermal Expansion (ASTM D696, in./in./°F):** 0.000019

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

**Water Absorption (ASTM D570, wt.%):** 0.04

**Electrical Resistivity (ASTM D257):**

Volume Resistance (ohm-cm): 10<sup>14</sup>

Surface Resistance (ohm): 10<sup>12</sup>

**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.
- Medium viscosity for improved pigment stability.
- 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-935 Solid Color Topcoat is applied at a rate of 80-100 sq. ft. per gallon depending on system surface profile, using a medium nap roller or brush. Use only Res-Tek powder pigments added on site. It is important to mix resin and pigment using a dispersing blade.

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-935 Solid Color 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-935 Solid Color 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-935 Solid Color 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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