

## PRODUCT DESCRIPTION

MAC-Guard™ MAC-815 Flexible Resin is a 100% reactive, acrylic resin based on methyl-methacrylate (MMA) that cures in one hour. MAC-815 can be applied neat or with pigment and can be thickened for filling of cracks, expansion, and control joints where movement is anticipated. MAC-815 is designed to be used in conjunction with all MAC-Guard flooring systems. This product exhibits high elasticity, which is essential for bridging cracks and expansion joints in concrete substrates. The use of fillers or additives with MAC-815 will reduce its elastic properties; therefore, the product should be used neat whenever possible.

## TYPICAL USES

MAC-Guard MAC-815 Flexible Resin is most often used to fill cracks or expansion and control joints where movement is anticipated. It can also be used as a flexible membrane within MAC-Guard flooring systems.

## PHYSICAL CHARACTERISTICS

**Viscosity (ASTM D2196, cPs):** 200

**Density (ASTM D1475, lbs/gal.):** 8.12

**Tensile Strength (ASTM D638, psi):** 1,350

**Water Absorption (ASTM D570 wt.%):** .04

**Elongation @ Break (ASTM D638, %):** 250

**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 1866

## PROPERTIES

- High elasticity
- Chemically bonds to other Res-Tek system components.
- UV resistant.
- Cures in one hour.
- Cures at temperatures ranging from -15°F - 100°F.
- 100% reactive – VOC compliant.
- Seamless repairability.

## APPLICATION OF MATERIALS

Typically MAC-Guard MAC-815 Flexible Resin is applied over MAC-710 Primer. Previously primed joints and cracks may require backer rod or other joint fill material prior to either pouring or troweling MAC-815.

For use as a flexible membrane, MAC-815 should be applied with a small amount of pigment for visibility. Coverage rate is 55-80 sq. ft. per gallon when using a roller or notched squeegee.

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

## SURFACE PREPARATION

No additional surface preparation is required if applied immediately following the application of the previous coat. If following a different application schedule, please contact your Res-Tek representative.

**RES-TEK INC.**

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# MAC-Guard™ MAC-815 Flexible Resin

## STANDARD PACKAGING

MAC-Guard MAC-815 Flexible Resin 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 sheet prior to use.

## CAUTION

MAC-Guard MAC-815 Flexible Resin 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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