

## PRODUCT DESCRIPTION

Res-Tek's RT-R-Component is a urethane based additive designed for use only with Res-Tek methyl-methacrylate (MMA) based primers. RT-R-Component is required with all MMA based primers as it dramatically increases bond-ability to all substrates. RT-R-Component is an on-site additive, because it reduces the shelf life of MMA based primers significantly.

RT-R-Component should be added and mixed with MMA based primers immediately before adding RT-BPO-50 (Powder Hardener).

In no case should the use of RT-R-Component be considered a substitute for proper preparation of the substrate. Performing bond tests in several areas of every Res-Tek installation is always necessary.

## PHYSICAL CHARACTERISTICS

**Mix Ratio:** Refer to appropriate Dosing Chart

**Viscosity (ASTM D2196, cPs):** 65-75

**Density (ASTM D1475, lbs/gal.):** 8.91

**Pot Life:** No significant impact on MMA based primers

**Cure Time:** No significant impact on MMA based primers

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

**DOT Classification:** Flammable Liquid, Class 3, UN 1993

- Refer to MAC-Guard MAC-710 or DEK-Guard DEK-641 product data sheets for combined physical characteristics.

## SURFACE PREPARATION

To provide a lasting bond, the substrate must be thoroughly cleaned of grease, oils, curing membranes, wax, and any other contaminants. The substrate surface must be dry and free of laitance and unsound concrete. Floor surfaces receiving Res-Tek MMA based primers must be thoroughly cleaned and prepared by shot blasting or other approved mechanical means.

## BOND TEST

A bond test should be conducted to determine the adequacy of the surface preparation and the bond to substrate before proceeding with the application of the primer to the entire area.

The bond to the substrate should be greater than the tensile strength of the substrate itself. When the test is performed, there should be fractured aggregate along the entire patty. If only a fine laitance or small amount of concrete is attached, additional mechanical preparation is required.

## APPLICATION OF MATERIALS

MMA based primers mixed with RT-R-Component should be applied over mechanically prepared concrete substrates at a rate of approximately 100 sq. ft. per gallon. Depending on substrate surface profile and porosity, coverage rate may vary between 80 - 120 sq. ft. / gallon.

It is necessary to follow the mix ratios found in the appropriate dosing chart. RT-R-Component should be mixed with MMA based primers onsite immediately before adding RT-BPO-50 (Powder Hardener).

Primer mixes are typically applied neat (without fillers or pigments) and should be applied using a roller or brush at a rate that allows for penetration of the concrete substrate but still maintains a continuous coating on the surface.

A second coat of primer mixture may be required on a porous substrate or if the coating appears to be inconsistent. Repeat procedures above until a continuous film is formed. Refer to appropriate primer product data sheet for additional information.

Whenever possible, the entire contents of a pail or drum of RT-R-Component should be used. Excessive headspace containing air in opened containers will reduce product shelf life.

**RES-TEK INC.**

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# RT-R-Component

## STANDARD PACKAGING

RT-R-Component is packaged in 38 lb pails and 400 lb drums. RT-BPO-50 (Powder Hardener) 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

RT-R-Component and all Res-Tek resins are flammable liquids in their 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 sheet and hazard section of application binder in order to increase hazard 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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