

## PRODUCT DESCRIPTION

Res-Tek's R-Component is a urethane based additive designed for use only with Res-Tek RT-710 Primer. Res-Tek R-Component, when added to Res-Tek RT-710 at 10% - 25% by volume, will dramatically increase the ability of the primer to bond to concrete that contains bond-breaking contaminants or a high moisture content. R-Component is offered as an additive, due to the fact that it reduces the shelf life of RT-710 Primer significantly. R-Component should be added to RT-710 Primer shortly before the product is to be applied. Good project planning is essential since primer containing R-Component cannot be stored for more than a few days. Res-Tek's R-Component can be used in all cases where the substrate is concrete. The use of this additive can serve as an added bit of insurance that an acceptable bond to concrete substrates will be achieved. In no case should the use of R-Component be considered a substitute for proper preparation of concrete substrates or for performing bond tests to assess the quality of the bond that has been achieved. Performing the bond test in several areas of every Res-Tek installation is necessary with or without the use of R-Component. Res-Tek R-Component should be used routinely on all projects where Res-Tek RT-710 Primer is installed over a concrete substrate.

## TYPICAL USES

Res-Tek R-Component should be used routinely on all projects where Res-Tek RT-710 Primer is installed over a concrete substrate.

## PHYSICAL CHARACTERISTICS

**Viscosity:** 65 - 75 cps

**Density:** 8.34 lbs / gallon

**Pot Life:** No significant impact on RT-710

**Cure Time:** No significant impact on RT-710

**Shelf Life:** Minimum 6 months from ship date (unopened)

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

## PROPERTIES

- Dark brown, viscous liquid.
- Enhances the ability of RT-710 Primer to bond to concrete especially when small amounts of bond breaking contaminants or moisture are present.

## APPLICATION OF MATERIALS

Concrete substrate must be mechanically prepared to remove laitance (exposing aggregate) and to create a surface profile. Bond tests must be performed according to prescribed methodology. Unacceptable bond tests indicate a need for further preparation; acceptable bond test results indicate that the surface can be primed (see Res-Tek RT-710 data sheet for specific instructions on priming). R-Component should be added to and thoroughly mixed with RT-710 Primer at 10% - 25% by volume, immediately before priming begins.

Note: Whenever possible, the entire contents of a pail or drum of R-Component should be used. Excessive headspace containing oxygen in open drums will reduce product shelf life.

**RES-TEK INC.**

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# R-Component

## 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 primers must be thoroughly cleaned and prepared by shot blasting or other approved mechanical means.

## THE 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 of the primer to the substrate should be greater than the tensile strength of the substrate itself (adhesive bond of Res-Tek System to concrete should be stronger than cohesive bond of concrete itself); therefore, 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. The exact procedure for performing the bond test can be found in the sheet titled "The Bond Test," provided by Res-Tek Inc.

## STANDARD PACKAGING

All Res-Tek Resins are packaged in 38 lb pails and 400 lb drums.\* Hardener powder is available in 3 lb containers and 55 lb boxes. Res-Tek Self-Leveling Filler is available in 40 lb bags.

## 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 MSD sheets prior to use.

## CAUTION

Res-Tek 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 MSD 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.

- This product is 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.

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