

PRODUCT DESCRIPTION

Res-Tek RT-925 Sealer is a reactive, acrylic resin based on methyl methacrylate (MMA). Res-Tek RT-925 Sealer is designed to be applied as the final layer of a Res-Tek acrylic flooring system. Res-Tek RT-925 Sealer has a low viscosity and provides a high degree of protection from thermal, mechanical, chemical, and UV attack. Res-Tek RT-925 Sealer can be applied neat or with pigment and pigment suspending agent over a Res-Tek self-leveling, colored quartz or colored flake floor. Res-Tek RT-925 Sealer contains a bluing additive that is designed to prevent ambering that can detract from the esthetic qualities of light-colored flake and quartz floors. Res-Tek RT-925 Sealer is 100% reactive and is fast-curing. Res-Tek RT-925 Sealer should be applied at a thickness of 15 -20 mils. Two thin coats (15 mil) are always better than one thick coat.

TYPICAL USES

Res-Tek RT-925 Sealer is most often applied over a Res-Tek self-leveling (SL), colored quartz (CQ) or colored flake (CF) floor as part of the system installation. Res-Tek RT-925 Sealer protects the entire system by locking in broadcast flake and quartz aggregate and by imparting to the floor system the highest degree of resistance to thermal, mechanical, chemical, and UV attack. The use of Res-Tek RT-925 Sealer is most appropriate in environments where superior wear characteristics, scratch resistance, and chemical resistance are desired. Typical industries that Res-Tek RT-925 Sealer may be used in are food processing, pulp and paper processing, chemical industry, laboratories, grocery stores, coolers, and freezers.

PHYSICAL CHARACTERISTICS

Viscosity: 38-48 cps

Density: 8.20 lbs / gallon

Tensile Strength: 3,850 psi

Pot Life: 15-20 minutes

Cure Time: 35-60 minutes

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

DOT Classification: Flammable Liquid, Class 3, UN 1866

PROPERTIES

- Excellent bonding capabilities — achieves a chemical bond to other Res-Tek system components.
- Low viscosity makes for easy application with a roller or brush.
- UV resistant for indoor or outdoor application.
- Cures fast — under an hour.
- Cures at a wide range of temperatures. (even below freezing)
- 100% reactive — VOC compliant.
- Excellent chemical, mechanical, thermal resistance.
- Bluing for light-colored floors.
- Excellent scratch resistance.

APPLICATION OF MATERIALS

Res-Tek RT-925 Sealer is applied at a rate of 90-125 sq. ft. per gallon (depending on system surface profile), using a medium nap roller or brush. The product can be pigmented using powdered metal oxide pigments and a suitable pigment suspension aid (Cab-O-Sil M5). The amount of hardener powder used is dependant on temperature. The applicator must follow the guidelines found in the "Hardener Powder Dosing Guide" provided.

RES-TEK INC.

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RT-925 Sealer

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 should 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

Res-Tek RT-925 Sealer is 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 RT-925 Sealer 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 MSD Sheet 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.

- 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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