

# Heavily Pigmented Epoxy

## RTE-HPE100

### Product Description and Use

RTE- HP is a high solid, low odor material designed as a base coat for color chip flooring. RTE- HP is formulated with an unusually high pigment loading for excellent substrate hide in a one coat application. This allows the contractor to omit the normally used primer and saves a trip to the jobsite. RTE- HP adheres tenaciously to damp or dry concrete and gives the contractor ample open time for broadcasting the color chips. The material is VOC compliant in California. Chemical Composition Modified Bisphenol A epoxy resin crosslinked with aliphatic amines. Colors Available in 14 standard colors. Limitations • Must be applied at 150-200 sq. ft. per gallon over profiled concrete to obtain adequate substrate hide.

### Technical Data

#### Physical and Performance Properties

Mix Ratio, by volume	1:1
Solids Content, by weight	96%
Pot Life, 1 quart mass (77 degrees F)	90 minutes (Pot life is reduced by increasing temperature and/or mass)
VOC	50 gms./liters
Adhesion to Damp Concrete (ASTM 451)	375 psi. concrete fails
Cure Time for Recoating (77 degrees F)	10 hours

### General Information

#### Moisture Vapor Emissions Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. RTS can supply moisture remediation products. Consult our technical service department. ResinTek Systems and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

#### WARRANTY

INFORMATION \_\_\_\_\_ ResinTek Systems guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ResinTek Systems MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. ResinTek Systems shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission

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or alkalinity. ResinTek Systems shall not be liable for any injury incurred in a slip and fall accident. The manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

## HIGH PERFORMANCE CONCRETE COATING SYSTEM

### General Information (Cont'd)

#### Surface Preparation

Surface must be clean, sound, and have a minimum 5 mil profile to closely approximate the texture of 120 grit sandpaper. Surface may be damp but standing water must be removed. Surface must be profiled by diamond grinding or acid etching. If diamond grinding, remove residual dust by high pressure water or thoroughly vacuuming. If acid etching, a floor machine with a nylogrit brush must be used and the floor neutralized with ammonia or RTS Super Base Neutralizer. Follow the guidelines listed in the surface preparation section of the RTS product catalogue.

#### Mixing Instructions

The mixing ratio is 1 Part A to 1 Part B by volume. Pre-mix Part A before adding Part B. Do not mix more material than can be applied in 90 minutes at 77°F. Higher temperatures reduce work time. Proportion the two components carefully and mix for 2 minutes using a drill mixer being sure to scrape the bottom and sides of the mixing vessel.

#### Application Recommendations

Material should be poured from the mixing pail and spread using a flat trowel or squeegee at the rate of 150-200 sq. ft. depending upon the porosity of the concrete. A mechanic wearing spiked shoes should walk onto the wet material and back roll using a 1/2-inch roller nap. Brush trim the edges. The goal is to distribute the material evenly to completely hide the substrate. If concrete shadows appear, apply additional product and back roll. Broadcast the color chips into the wet material within 30 minutes of coating application. See complete system application instructions for further details.

#### Handling Precautions

Do not breathe vapor. Use appropriate respirator with green band cartridge to protect against methyl amine vapors. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using it.