

Water Clear Epoxy Coating

8150 LT-45 (Low Temperature/Fast Cure Curing)

DESCRIPTION

8150 LT-45 is a high solids, clear (light straw color), 2-component 80% solids epoxy coating formulated for application at lower temperatures or as a fast curing product when applied above 55°F. 8150 LT-45 has good resistance to most common chemicals and meets USDA/FDA guidelines for use in federally inspected facilities and all VOC/HAPS regulations for use throughout the United States.

USES

8150 LT-45 can be applied at temperatures down to 45°F or can be used as a FAST CURE epoxy coating at higher ambient/surface temperatures. It can be applied as a fast curing primer, as an aggregate filled self-leveling coat, as a broadcast coat or as a solid color industrial finish coat.

COVERAGE

8150 LT-45 is typically applied between 60-150 square feet per gallon per coat depending upon substrate and project requirements.

FEATURES

- Hard and durable, high gloss industrial finish coating
- Cures down to 45°F and cures rapidly above 55°F
- VOC compliant throughout the US
- Good abrasion and chemical resistance
- Excellent gloss retention about average color stability

PHYSICAL PROPERTIES

| | |
|---|---|
| Volume mix ratio | 2:1 (Resin to Hardener) |
| Viscosity (mixed) | 750-900 CPS Typical |
| Solids Content (%) | 80% (ASTM D-2697) |
| Pencil Hardness | 75-80 (Shore D) |
| VOC | Compliant with all US Regulations |
| Application Temps | 45° - 75°F |
| Gel Time | 15 minutes @ 75°F |
| Dry to Touch (recoat with similar product) | 1-3 hours @ 75°F 4.5 hours @ 45°F |
| Through Cure | 2.5 – 5 hours @ 75°F 13.5 hours @ 45°F |
| Open for Light Traffic | 24 hours @ 75°F |
| Shelf Life | 1 year in unopened units |

PACKAGING

1.5 Gallon Bag-Pak™ Units in a single pail
3 Gallon Bag-Pak™ Units in a single pail
15 Gallon Unit in three 5-gallon pails
165 Gallon Bulk Unit in three 55-gallon drums

LIMITATIONS & FOR BEST RESULTS

- Do not thin this product
- Do not apply when Humidity exceeds 70% indoors
- Do not allow to puddle during application
- Allow each coat to dry to 'tack-free' or clear prior to re-coat
- When re-coating, always apply the next coat within 24 hours of completing the previous coat.
- When applying at temperatures below 55°F it is best to condition the unopened buckets of material for several hours at the installation temperature prior to applying.
- Whenever applying epoxy coatings in low temperature areas the likelihood of a blush reaction increases. We recommend broadcasting aggregate to rejection into the coating to help prevent blush. When applying the coating neat always check for blush prior to recoating.

PRODUCT APPLICATION

Apply using brush, roller and squeegee. SUPERIOR product test data is based on environmental temperatures of 75° F. Viscosity and working time are always affected by temperatures above or below that mark. When applying product always consider the ambient, surface, and product temperature at the time and place of installation.

COLOR AND TEXTURES

8150 LT-45 is manufactured in CLEAR (amber) and can be field pigmented using Superior colorants. Most Superior products are available in a wide range of textures using an appropriate aggregate.

CHEMICAL RESISTANCE

Always refer to SUPERIOR's chemical resistance chart for specific information on each product / system or contact SUPERIOR directly.

PRODUCT STORAGE

DO NOT allow SUPERIOR products to freeze. All SUPERIOR products should be properly stored above the floor on pallets or shelves, and in an area that has a constant minimum temperature of 50°F.

SURFACE PREPARATION

Always apply SUPERIOR products to a clean / sound substrate that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be cured for a minimum of 28 days prior to application of product (except as otherwise noted on the individual Product Data Sheet). Concrete substrates should be treated with the Rock-Block System when moisture testing per ASTM F2170 shows results over 80% RH. Whenever possible, remove existing coatings and/or flooring systems completely; if complete removal is not possible always perform tests to determine adhesion and compatibility to the existing flooring. Mechanical preparation by means of a shot-blasting or diamond grinding machine to a minimum CSP-2 profile followed by application of an appropriate SUPERIOR primer or base system is the best and recommended installation method for **8150 LT-45** applications. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

CLEAN UP

Application tools and equipment can be cleaned with soap and water immediately after use, or with solvent once the product has begun to cure.

DISPOSAL



TECHNICAL DATA SHEET

Product containers will contain product residue and must be disposed of properly. Label warnings must be observed at all times. All containers must be disposed in accordance with federal, state, and local regulations.

IMPORTANT NOTICE

Always read and acquaint yourself with SUPERIOR's Product Data Sheet, SDS [safety data sheet], and product labels for each individual product prior to mixing and prior to use. For further assistance, product questions, additional information and/or unexpected or unusual installation conditions – contact your Area Sales Representative or SUPERIOR directly for recommendations. Kit components are pre-measured for optimal performance. Catalyzation errors due to incorrect mixing in the field voids product warranty.