

## TRITON TOUGHCOAT HEAVY DUTY 80% EPOXY FLOORCOATING



### TECHNICAL DATA:

Volume Solids	80%
Specific Gravity	1.35 k/l
Viscosity	100 + 0.5 KU
Finish	Glossy
Film Thickness (DFT)	100-150 microns/coat
Mixing Ratio (by volume)	
Part A- Base	3 parts
Part B- Hardener	1 part
Coverage	16-18 m <sup>2</sup> / Gal set (actual)
Pot Life	40-50 minutes
Drying Time	
Set to Touch	2 hours
Full Cure	24- 48 hours (light foot traffic) 5-7 days ( heavy foot traffic)
Chemicals Resistance	Excellent to most organic solvents, mild acid alkalis and salt
Shelf Life	Minimum of one (1) year under normal condition
Packaging	Available in (4L) Gallon/set

### PRODUCT DESCRIPTION:

A two-component, high solid epoxy-based paint designed for industrial flooring. It is a premium quality coating designed to have excellent water resistance to mild acid solutions, brines, and other chemicals. It offers outstanding durability and easy application.

### PRODUCT HIGHLIGHTS:

High performance coating system.

### RECOMMENDED USE FOR:

Protecting floors in showrooms, car production and workshops, warehouses and storage facilities, indoor carparks, Industrial floors, and Residential and Commercial buildings. Floor topping of new and existing flooring of food processing plants, chemicals and pharmaceutical factories, sugar and oil refineries. Base for installation of heavy duty anti-skid coatings.

### RECOMMENDED SUBSTRATE:

Concrete and metal flooring.



## APPLICATION:

### Surface Preparation

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalks, and any other contaminants that can reduce adhesion through (SSPC-SP1) solvent cleaning. You may use **LOTUS Lacquer Thinner** to thoroughly remove dirt and dust.

### Metal

Sand blasting is recommended to remove rust and mill scale. Use commercial blast to (SSPC-SP6) for mild exposures and near-white blast (SSPC-SP10) for severe exposures. Where blasting is not possible, thorough scraping and wire brushing maybe substitutes at some possible sacrifice in performance.

### Concrete/ Masonry

Cure for atleast 30 days before painting. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduced adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

### Previously Painted Metal Surface

Scrape loose, scaly, peeling paint and sand edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover. Rinse and let it dry overnight

### Mixing

Thoroughly stir each component. Mix three (3) parts of component A to one (1) part of component B by volume. Mix only enough quantities that can be used within the pot life of the mixture.

## APPLICATION METHOD:

**Primer:** Apply one (1) full coat (as primer only) of **TRITON EPOXY 100% SOLID PRIMER/ SEALER CLEAR** using a brush or roller to achieve a continuous and even coverage. Ensure priming coats are kept clean and free from dust, and water-condensate.

**Topcoat:** **TRITON HEAVY DUTY 80% SOLID EPOXY FLOORCOATING** can be applied by smooth/ notched blade squeegee (preferred) or rolled. The use of spike roller is recommended 8-10 minutes, after application to help the removal or air entrapment.

**Squeegee Application-** Apply as evenly as possible working from left to right then vice versa. After 10 minute roll with spike roller to remove excess air bubbles. Do not mix less than full/batch container quantities.

**Roller Application-** Using a quality Paint Roller, gently spread it or poured material by lightly working back and forth until achieved an even and smooth finish. Avoid over working back into previously applied epoxy, especially after 10 minutes duration or color variation may occur in the lapped area. Do not mix less than full batch/container quantities.





### **COATING APPLICATION:**

One to two (1-2) coats recommended.

### **Special Information:**

Old coatings should be tested for lifting before applying **TRITON TOUGHCOAT HEAVY DUTY 80% SOLID EPOXY FLOORCOATING**.

- Level off uneven surfaces using **TRITON EPOXY CONCRETE PUTTY**.
- All epoxy coating will chalk and fade if applied to exposed areas affected with direct sunlight.

### **LIMITATIONS:**

- Epoxy is a two-part liquid that must be mixed before application. Once the product is mixed, you have a limited time to apply the epoxy coating before it starts to harden.
- Unfavorable temperatures can cause the epoxy to BUBBLE and PEEL. Applying epoxy in a damp environment on a moist floor causes the epoxy paint to lift off the floor.
- In addition you must clean the floor thoroughly before applying epoxy to avoid adherence issues.
- Wet epoxy has strong fumes.
- Epoxy floor coatings needs to be installed exactly according to directions. If not done properly, the flooring will not last as long as it should.

### **Special Information:**

Do not apply if material, substrate nor ambient temperature is below 50°F, yellowing may occur if exposed to temperature exceeding to 200°F. Old coatings should be tested for lifting before applying **Triton Heavy Duty 80% Solid Epoxy Floorcoating**. Exterior exposure causes color change, gloss loss, and chalking. However, this does not affect protective performance properties. Level- off uneven surfaces using **Triton Epoxy Concrete Putty**.

### **NOTE:**

Information above regarding wet film thickness (WFT) and dry film thickness (DFT) are based on company laboratory tests. Please follow project specification for WFT and DFT requirements.

### **INFORMATION:**

**TRITON PRODUCTS** are manufactured from the highest quality raw materials using the most advanced methods. Best results from the superior product are attained when these preparation and application instructions are followed carefully.

For more information on this guide or on any Triton coating product please contact us at 8645-6203 or email us at [tsr.tritonpaints@gmail.com](mailto:tsr.tritonpaints@gmail.com) or [roosevelt.chemical.inc@gmail.com](mailto:roosevelt.chemical.inc@gmail.com)





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