

# SOLIDKOTE DTO

## Oil Tolerant Epoxy Primer

Solidkote DTO is a direct to oil, surface tolerant epoxy primer. A specially formulated epoxy for applications to substrates that have been contaminated with petroleum oil, grease and vegetable oil.

It is formulated for anti-corrosive application to concrete and masonry surfaces, as well as for steel surfaces. It may be top coated when dry with other suitable color finishes. The high build formulation of this coating allows it to form a thick barrier coat to avoid 'stain through' of oil, tar or asphalt. The product may also be applied over poorly prepared rusted steel and old existing coatings. It meets all current VOC regulations and can be applied in thicknesses from 150 to 625 um in one coat, although thickness of application on oil contaminated steel surfaces should be a minimum of 175 um and 300 um on concrete.

### UNIQUE PRODUCT BENEFITS

- Tolerant of poorly prepared surfaces.
- Barrier coating to oil and grease in concrete.
- 100% Solids.
- Excellent chemical resistance.

### TECHNICAL DETAILS

Appearance	Amber clear
Solids (by weight)	100%
Mix Ratio (by volume)	2:1
Pot Life	40 to 80 min
Induction Time	Not required
Diluent / Cleaner	Solidkote 505
Coverage	5 m <sup>2</sup> / L @ 150 um DFT
Touch Dry	8 to 10 hrs
Re-coat	24 hrs
Full Cure	7 days

### PACKAGING

Solidkote DTO is supplied in 5 and 15 L kits consisting of two components Part A (resin) and Part B (hardener).

### APPLICATIONS:

- Oil tolerant primer before installation of further flooring systems
- Excellent coating for oil or grease contaminated steel, concrete and masonry surfaces
- For both interior and exterior as primer
- Also recommended for sewerage and chemical plants and food processing areas that may have been contaminated by vegetable or petroleum oils.

### PRECAUTIONS

Remove as much grease and oil as possible and install patch test after doing whatever surface preparation can be done. The user should be totally satisfied with all aspects of the test patch before proceeding with a general coating program.

**Leading manufactures of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.**

#### Distribution facilities nationwide

Western Cape

+27 (0)21 535 4455

Eastern Cape

+27 (0)41 451 3944

Gauteng

+27 (0)11 822 7242

KwaZulu-Natal

+27 (0)31 705 7733



info@technicalfinishes.com • www.technicalfinishes.com



**TECHNICAL FINISHES**  
SPECIALIST FLOORING AND CONSTRUCTION SOLUTIONS

## SUBSTRATE REQUIREMENTS

### Concrete

Where there is heavy oil or grease contamination, use LIQUID ACTION for removal. Large floor areas may be cleaned using floor scrubbers and detergents. If water droplets bead on surface, further cleaning is indicated. Once the surface has been allowed to dry, the coating should be applied over the cleaned area as soon as possible. Allow an overlap on the cleaning area where the job is large and where it cannot be completed in one day so that the cleaning operation does not have to go back onto the coated portion which would be un-cured. Ensure that any heavy build-up of oil or grease has been removed during the surface preparation phase. Solidkote DTO, will, during the drying cycle, absorb any remaining oil or grease as it cures. Wall areas may not require as thorough a cleaning process as traffic areas on floors. Important: Once the Solidkote DTO has been applied to the surface, allow to cure for at least twenty four (24) hours. If the floor is cold, a longer curing time may be necessary before allowing heavy traffic or applying a topcoat where a topcoat is indicated for colour or other purpose. Allow the product to dry at least "fingernail hard" before allowing traffic or topcoating. To test, lightly sand an area with coarse sandpaper. If sandpaper clogs, it is not dry enough. Do not apply a thinner film than specified as a thick film is required to absorb remaining oil or grease into the film during the drying cycle. A thin application may cause bond failure.

### Steel

Remove any grease, oil, dirt or surface contamination by solvent. For severe environments, sand blast (brush blast). If there are large areas of steel that are grossly contaminated with oil or grease, the steel should be water blasted with suitable detergent, as in "Concrete or Masonry". Product should not be applied unless the surface temperature is at least 3°C above the dew point.

### Existing

Apply over clean, sound paint only. Clean existing coating with either detergent or solvent in order to remove any grease, oil, dirt or surface contaminants. If there are large areas of steel that are grossly contaminated with oil or grease or in severe environments, the steel should be either pressure cleaned with a suitable detergent added or steam cleaned prior to the brush blast. Brush blast after degreasing work.

## MIXING

Before attempting to mix materials, warm product, if cold, to at least 20°C. Mix one can of Part A with one can Part B in a clean container for approximately 3 minutes. MAKE SURE MATERIAL IS COMPLETELY MIXED BEFORE APPLICATION. No induction time is necessary. Pot life is approximately 45 - 60 minutes at 25°C. Do not apply below 15°C surface and air temperature. Application at low temperature will retard dry and delay cure until temperature of surface and air is raised.

## EQUIPMENT

To assure the best possible adhesion over surfaces which may still have small amounts of oil or grease remaining in the concrete, it is our recommendation to apply by brush or roller. If the coating is to be sprayed, then it may be necessary to roll the coating after spraying to make physical contact with the surface to ensure the surface is properly sealed and optimum adhesion is obtained. A test area application will determine proper procedure required.

**BRUSH:** Use a clean, natural bristle brush.

**ROLL:** Use a clean, 4 mm short nap mohair roller with a phenolic core.

## HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

**Leading manufactures of specialist epoxy and polyurethane flooring systems,  
specialised construction and corrosion protection products.**

### Distribution facilities nationwide

Western Cape  
+27 (0)21 535 4455

Eastern Cape  
+27 (0)41 451 3944

Gauteng  
+27 (0)11 822 7242

KwaZulu-Natal  
+27 (0)31 705 7733



info@technicalfinishes.com • www.technicalfinishes.com



**TECHNICAL FINISHES**  
SPECIALIST FLOORING AND CONSTRUCTION SOLUTIONS