

URECOAT TF

TRAFFIC DECK COATING SYSTEM

PRODUCT DESCRIPTION

URECOAT TF is polyurethane based traffic deck coating system, which possess high tensile strength with excellent balance of elongation, abrasion resistance, and hardness. This system comprises the following solvent free primer/sealer, single component, UV resistant aliphatic polyurethane top coat.

CEMPOXY PRIMER : Solvent free two component epoxy primer/sealer.

URECOAT TF TOPCOAT : Aliphatic polyurethane coating with excellent UV and abrasion resistance.

BASIC USES

URECOAT TF as a topcoat, provides a semi-gloss, wear resistant finish for pedestrian and vehicular traffic decks, recreational areas, walkways, patios and balconies.

FEATURES / BENEFITS

- Bonds tenaciously to become an integral part of the floor.
- Easy application and easy to maintain.
- Excellent durability.

TYPICAL PROPERTIES

CEMPOXY PRIMER/SEALER

Mixing ratio of A:B	- 100 : 43 parts by weight
Mixed density	- 1.07
Gel Time at 25°C	
ASTM C881 - 90	- 30 minutes
Recoat time	- approx 5 hours at 25°C
Tensile Strength	
ASTM D638	- 8000 psi
Durometer	- D scale 70 -75
Bond Strength	
ASTM C882	- 1500 psi

URECOAT TF TOPCOAT

Cure time : 24 hours. Under most conditions, light traffic may be permitted after 10 to 12 hours.

Taber Abrasion
1,000 gram weight
after 1,000 cycles : No appreciable weight change

Solid content by vol : 72% by weight
Tensile strength : 1,500 psi (ASTM D412)
Elongation : 220% (ASTM D412)

INSTALLATION

Surface Preparation: All surfaces shall be dry, clean and free from any dirt, grease, oil, pollution fallout, smoke, wax, form release agents, surface chemicals or other foreign contaminants which could interfere with proper adhesion.

The actual surface preparation procedures which are to be followed will vary depending upon service conditions, conditions of the substrate, etc. The following surface preparation procedures and recommendations are provided for guideline use only.

Concrete surface shall be cleaned thoroughly removing all loose materials, dust, oil, grease, etc. Cement surface preparation methods such as captive blasting, high pressure water jetting, surface grinding can be adopted. Honey-Combs, blow holes (if any) present in the concrete should be filled with Epomort 1000 GEL / CEMTEC R44.

APPLICATION of Primer / Sealer

The concrete surface shall be primed/sealed with CEMPOXY PRIMER/SEALER. All materials shall be in the proper temperature range of 15°C - 35°C. Mix Part A and Part B (Resin & Hardener) for two minutes using a drill and mixing prop. The epoxy must be applied by brush, roller or airless spray. When the coating is wet, broadcast NSA aggregates #3 at the rate of around 0.6 - 2 kg per square meters depends on the required profile and the area of application. The broadcasting of aggregates can be omitted, if a smooth surface finish is required. The coating shall be allowed to cure for minimum 5 hours at 25°C. The loose aggregates shall be removed by vacuum cleaning or sweeping. Scrape the edge of a trowel over the surface to remove aggregate that may be projecting over the surface and clean the surface again.

Application of Top Coat : URECOAT TF has to be mixed with the booster thoroughly before application. It may be applied by all conventional means including spray equipment, roller and brushes. The recommended application rate of **URECOAT TF** is two coats minimum, 0.4 liter per coat. A third coat may be needed depending on job requirements. The second and third coat may be applied after an over-night cure, but it is important, for proper bonding, not to wait for more than 24 hours before recoating. Allow 48 hour final cure time before coating is exposed to traffic.

“High Quality Construction Chemicals”

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PACKAGING AND COVERAGE:

CEMPOXY Primer / Sealer is packed as 4 kgs kit with a coverage of 0.2 kgs / square metre.

URECOAT TF Topcoat is packed as 20 liters pail with a coverage of 0.5 ltrs per square metre per coat at 360 microns dry film thickness.

LIMITATION:

The products shall be stored away from direct sunlight and shall be protected from extreme temperatures. CMCI's Technical Department may be consulted for more information.

CLEAN UP:

Clean tools and equipment with CEMTEC SOLVENT.

PRECAUTIONS:

- Avoid application when the air and floor temperature are below 10 deg. C
- Store indoor at 7 deg. C to 43 deg.C. do not use without a primer.
- Solvents are flammable. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipments.

TD/PDS/0307/B

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.