

CPD® TOPCRETE TC

DESCRIPTION

CPD® Topcrete TC is a two-component polymer modified fast setting, high strength patching compound specially formulated for thin coat applications. CPD® Topcrete TC is used for general concrete repairs and restoration of concrete structures for both interior and exterior applications.

WHERE TO USE

CPD® Topcrete TC can be used for all types of concrete repairs such as thin coat applications down to 1.58mm (1/16"), deeper repairs up to 50mm (2") in depth and deep repairs up to 150mm (6") in depth when layered or extended with clean, washed, dry pea gravel. It can be used in different consistencies resulting in the ability to be troweled vertically, horizontally and overhead, or spray applied.

BENEFITS

- fast setting
- high strength
- high bond strength
- similar to color of concrete
- can be tinted
- can be broom finished after 10-15 minutes

PROPERTIES (23°C (74°F))

Working time.....	15-20 minutes
Initial set.....	30 minutes
Compressive Strength	
1 Day.....	25 MPa (3,626 psi)
7 Days.....	32 MPa (4,641 psi)
28 Days.....	42 MPa (5,656 psi)
Minimum thickness.....	1.58mm (1/16")
Maximum thickness.....	50mm (2")

The above information is representative of typical values obtained under our laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

APPLICATION/SURFACE PREPARATION

Concrete surface must be clean, sound and free from dust, loose particles, oil, grease and all foreign matter. If concrete is punky, chip down to sound concrete. Extremely dirty or heavily contaminated areas will require either mechanical or chemical cleaning.

PLACING

All areas to be patched must be pre-dampened with clean potable water (no standing water should be present) prior to placement of CPD® Topcrete TC. Apply mixed CPD® Topcrete TC with a trowel, or spray to the area to be repaired. For placement over 50mm (2") CPD® Topcrete TC can be extended with clean, washed and dried pea gravel. Add ½ bag 10kg (22 lbs) of pea gravel to one 20kg (44 lbs) bag of CPD® Topcrete TC (1:2 by weight).

MIXING

Mix approximately 3.4L (0.90 US gallons) of CPD® Latex Adhesive (DO NOT DILUTE) with each 20kg (44 lbs) bag of CPD® Topcrete TC powder. Add latex to a clean container and slowly add the CPD® Topcrete TC powder and mix using a ½" drill with a Jiffy mixer blade for approximately 2-3 minutes until uniform. Small quantities 2-8kg (4.4-17.6 lbs) can be mixed in a bucket by hand. Once product is mixed, place immediately with a trowel to desired thickness and finish within 5 minutes of placing.

BRUSH COAT APPLICATION

Mix 3.79L (1.0 US gallon) with each 20kg (44 lb) bag of CPD® Topcrete TC and apply using a white wash brush or similar.

SPRAY APPLICATION

Mix 4.5L (1.18 US gallons) with each 20kg (44 lbs) bag of CPD® Topcrete TC and apply using a stucco texture sprayer with metal dial. Allow two hours prior to application of second coat.

FINISHING AND CURING

Finish by hand to a smooth even finish and apply Cipadeck Cure & Seal WB Clear after initial set or wet cure with burlap for a minimum of 48 hours.

LIMITATIONS

- do not apply when air and substrate temperatures are below 5°C (40°F)
- not for structural grout applications
- do not exceed 50mm (2") per lift
- do not retemper

COVERAGE/YIELD

0.011m³ (0.40 ft³) per 20kg (44 lbs) bag

0.012m³ (0.41 ft³) per 20kg (44 lbs) bag – spray applied

PACKAGING

20 kg (44 lb) paper valve bag

3.79L (1.0 US gal) CPD® Latex Adhesive

CLEAN UP

Clean all equipment with water after use.

STORAGE

Dry heated warehouse storage is recommended.

SAFETY PRECAUTION

Consult Safety Data Sheet for specific instructions.

CPD® Topcrete TC SDS # 243

CPD® Latex Adhesive SDS # 54

SHELF LIFE

One year from date of manufacture when stored in a dry, heated warehouse in original bags. Protect from moisture.

WARRANTY

The recommendations made and the information herein is based on our own and independent laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD® makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD®'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD® product has been applied. CPD® reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD® shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED BY REPRESENTATIVES OF CPD®, ITS DISTRIBUTORS OR DEALERS.