

CPD[®] TOPCRETE

DESCRIPTION

CPD[®] Topcrete is a cement based polymer modified patching compound specially formulated for thin patching concrete. It can be used for interior and exterior applications, above or below grade. CPD[®] Topcrete forms a fast setting, high strength durable patch that is resistant as high quality concrete to traffic and exterior weathering.

WHERE TO USE

- \$ patching spalled area
- \$ patching honeycombs and holes
- \$ patching overlays to bring concrete to grade
- \$ patching sills, beams, columns, etc.
- \$ concrete pipe and manhole repair

BENEFITS

- \$ fast setting
- \$ high strength
- \$ high bond strength

PROPERTIES

Working Time 23°C (73°F).....	30 minutes
Compressive Strength (ASTM C-109-92) @23°C (73°F)	
1 day	14MPa (2030 psi)
7 days	29MPa (4200 psi)
28 days	40MPa (5800 psi)
Minimum Thickness	3.2 mm (C")
Maximum Thickness	12.8 mm (½")

The above information is representative of actual production runs. Independent test results may vary from the above by approximately ? 10%.

APPLICATION

SURFACE PREPARATION

Concrete must be structurally sound and free from dust, loose particles and all foreign contaminants. Mechanically remove all punky concrete. Sand blast and epoxy coat any reinforcing rods or steel exposed in the patching areas.

PLACING

Pre-dampen the surface to receive the patch and apply a slurry bond coat of CPD[®] Topcrete and CPD[®] Concentrated Latex Adhesive (diluted 1:1 with water). Apply the mixed CPD[®] Topcrete while the slurry bond coat is still tacky.

Trowel the mixed CPD[®] Topcrete over the areas to be patched using sufficient pressure to fill all voids and holes. For large areas use a screed. **DO NOT OVER TROWEL.** After placing product allow 12 hours to pass before resuming normal foot traffic. Protect patch area for 24 hours before resuming vehicular traffic. For exterior application, apply a water based curing compound such as CPD[®] Acrylic Cure and Seal Water Based after finishing.

MIXING

One 22.7 kg (50 lb) bag of CPD[®] Topcrete is mixed with 3.6-3.9L (0.95-1.03 U.S. gal) of diluted liquid latex depending on the consistency desired. The mixing liquid consists of 1 part (by volume) CPD[®] Concentrated Latex Adhesive blended with 2 parts (by volume) of potable water. Add liquid to clean container then add CPD[®] Topcrete powder and thoroughly mix until uniform. Small quantities can be mixed by hand while bag quantities require a slow variable speed heavy duty ½" drill with a good quality mixing blade. Allow the mixed product to stand for approximately 5 minutes then remix and apply. Work life is approximately 30 minutes at 20°C (68°F).

LIMITATIONS

- \$ not for use below 5°C (40°F)
- \$ not recommended for structural grouting applications

YIELD

0.013m³ (0.45 ft³) per 22.7kg (50 lb.) bag

PACKAGING

22.7kg (50 lb.) multi wall paper bags.
CPD[®] Concentrated Latex adhesive is available in 3.79L (1.0 U.S. gal), 18.9L (5 U.S. gal), and 208L (55 U.S. gal) containers.

CLEAN UP

Clean all trowels with water before product hardens.

STORAGE

May be stored short term anywhere on pallets under a tarp as long as the product is kept dry. Dry heated warehouse storage is recommended for extended storage.

SHELF-LIFE

One year from the date of manufacture when stored in original unopened package and under normal warehouse conditions.

SAFETY PRECAUTIONS

Consult Material Safety Data Sheet (M.S.D.S.) for specific instructions. MSDS # 211.

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.