



Shortform Product Specification for:  
**Rapid Set® Concrete Mix**

SECTION 03 01 30 MAINTENANCE OF CAST-IN-PLACE CONCRETE  
SECTION 03 01 40 MAINTENANCE OF PRECAST CONCRETE  
SECTION 03 01 50 MAINTENANCE OF CAST DECKS AND UNDERLAYMENT  
SECTION 03 01 70 MAINTENANCE OF MASS CONCRETE

(The above were formerly Section 03930)

[Note to specifier: Delete unnecessary Sections.]

Use Rapid Set® Concrete Mix: a cement based, rapid-setting, low shrinkage concrete repair material that can be used from 2 inches to 24 inches thick. Manufactured by CTS Cement Manufacturing Corp., 11065 Knott Avenue, Suite A, Cypress, CA, 90630. Phone: 800-929-3030. Website: [www.rapidset.com](http://www.rapidset.com)

1. Set time per ASTM 191 (Mod.) at 70°F:  
Initial set 15 minutes. Final set 35 minutes.
2. Compressive strength per ASTM C39 (Mod.):  
1 hour\* 2800 psi  
3 hour 3600 psi  
1 day 5000 psi  
28 day 6000 psi  
\* after final set
3. Flexural strength per ASTM C78 (Mod.):  
2 hour\* 420 psi  
1 day 650 psi  
28 day 750 psi  
\* after final set
4. Shall meet ASTM C928 for packaged concrete repair materials.
5. Shall be non-metallic with no added chlorides and shall be pre-blended requiring only the addition of water.
6. Shall have small, pre-measured packets available to add to the repair material per manufacturer's recommendations to slow down the set time, increase fluidity and strength, speed up the set time, increase bond strength, reduce plastic and crazing cracks, lighten the color of the mix, or darken the color of the mix.

Water shall be potable. Prepare surface, mix, place, and cure per manufacturer's recommendations.