



Shortform Product Specification for:  
**Rapid Set® Mortar 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)

SECTION 03 62 13 NON-METALLIC NON-SHRINK GROUTING

(The above was formerly Section 03600)

[Note to specifier: Delete unnecessary Sections.]

Use Rapid Set® Mortar Mix: a cement based, rapid-setting, low shrinkage concrete repair material that can be used from ½ inch to 6 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 C191 (Mod.) at 70°F:  
Initial set 15 minutes. Final set 35 minutes.
2. Compressive strength per ASTM C109 (Mod.):  
1 hour\* 2500 psi  
3 hour 4000 psi  
7 day 5000 psi  
28 day 7000 psi  
\* after final set
3. Bond strength per ASTM C882 (Mod.):  
1 day 1000 psi  
28 day 2200 psi
4. Shall meet ASTM C928 for packaged concrete repair materials.
5. Shall have an ICBO evaluation.
6. Shall meet ASTM C1107 for non-shrink grouting.
7. Shall be non-metallic with no added chlorides and shall be pre-blended requiring only the addition of water.
8. 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.