



Shortform Product Specification for:  
**Rapid Set® Cement All™**

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® Cement All™: a cement based, rapid-setting, low shrinkage concrete repair material and non-shrink grout that can be used from featheredge to 4 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\* 3000 psi  
3 hour 4500 psi  
7 day 6000 psi  
28 day 9000 psi  
\* after final set
3. Slant shear strength per ASTM C882 (Mod.):  
1 day 1400 psi  
28 day 2600 psi
4. Shall meet ASTM C928 for packaged concrete repair materials.
5. Shall meet ASTM C1107 and CRD C621 for non-shrink grouting.
6. Shall be non-metallic with no added chlorides and shall be pre-blended requiring only the addition of potable water.
7. 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.