



Shortform Product Specification for:
Rapid Set® DOT Repair 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® DOT Repair Mix: a cement based, rapid-setting, low shrinkage, extendable, concrete repair material that can be used from 1/2 inch to 6 inches thick when used neat and from 2 inches to 24 inches thick when extended. Manufactured by CTS Cement Manufacturing Corp., 11065 Knott Avenue, Suite A, Cypress, CA, 90630. Phone: 800-929-3030. Website: www.rapidset.com

1. Compressive strength of neat repair material per ASTM C109 (Mod.):
 - 1.5 hour* 4000 psi
 - 3 hour 5000 psi
 - 1 day 7500 psi
 - 28 day 9500 psi* after final set
2. Compressive strength of extended material per ASTM C39 (Mod.):
 - 2 hour* 2500 psi
 - 3 hour 4000 psi
 - 1 day 6500 psi
 - 28 day 8000 psi* after final set
3. Flexural strength of extended material per ASTM C78 (Mod.):
 - 1 day 700 psi
 - 28 day 800 psi
4. Modulus of Elasticity of extended material per ASTM C469:
 - 28 day 4,000,000
5. Shall meet ASTM C928 for packaged concrete repair materials.
6. Shall meet ASTM C1107 for non-shrink grouting.
7. Shall conform to California Test 551.
8. Shall be non-metallic with no added chlorides and shall be pre-blended requiring only the addition of water.
9. 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.

Coarse aggregate shall meet ASTM C33 and water shall be potable. Prepare surface, mix, place, and cure per manufacturer's recommendations.