



*Professional Grade
Construction Cement Products*

Rapid Set®
CEMENT ALL™

TECHNICAL DATA

DESCRIPTION: **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** is a unique dry blend of **RAPID SET® CEMENT** and a quality sand. **NO CHLORIDES ARE ADDED.** This is a high quality product. When mixed with water, it produces a uniform, nonshrink mortar which can be featheredged. It attains over 2000 psi compressive strength in one hour, and is ready to use.

APPLICATIONS: Precision grouting under columns, machine base plates, and precast repair. Grouting of anchor bolts, rebar and railing. Excellent for floor repair and leveling. **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** is ideal for all applications where quick concrete strength is required, including repair of highways, runways, sidewalks, and floors.

APPROVALS: **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** meets the requirements of **ASTM C 1107 specification for nonshrink grout.** Contact **RAPID SET®** for details. Also: Corps of Engineers Specification for Nonshrink Grout - CRD C 621; Los Angeles City Building Department approval #RR 24654; and many State Highway Departments.

DURABILITY: In geographical areas subject to freeze/thaw conditions, **RAPID SET®** packaged grout, mortar, and concrete mixes contain an admixture which produces about 6% air entrainment in the mix.

ADDITIVES: Working time can be extended by using **RAPID SET® SET CONTROL™**. retarder also acts as a water reducing agent. Workability and fluidity is improved. Warm water may be used to accelerate the set time.

AVAILABILITY: Through dealers in 55 lb. polyethylene lined bags. Also available in some locations in bulk. **CEMENT ALL™** is available in 10 lb. and 25 lb. boxes.

TEST DATA:

	Compressive strength, psi (ASTM C 109)	
	<u>55 lb. Bag</u>	<u>3/4 gal. water</u> <u>1 gal. water</u>
1-hr	4800	2700
3-hr	5000	3700
1-day	5200	5400
7-day	8200	6400
28-day	11,200	7400
Yield, cu ft / 55-lb bag	0.46	0.50

Time of set, ASTM C 191
Initial 20 min. Final 27 min.

Slant shear, ASTM C 882 (4 quarts water), psi
1-day 1400
28-day 2680

DIRECTIONS

FOR USE: Remove all unsound concrete keeping edges and corners square. Adjacent concrete should be free of oil, grease, laitance and debris. Dampen area with water. Mix **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** with 3/4 to 1 1/4 gallons of mixing water per 55 lb. (25kg) bag to the consistency desired. **The stiffer the mix the higher the resulting strength.** The working time for **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** is about 20 minutes at 70 degree F. It is important to organize the placement operation within this time limitation. After setting, the grout will gain strength quickly, and finishing operations may be difficult. Water mist curing is required and should start immediately after initial set.

The working time may be extended by using cold material and/or **RAPID SET® SET CONTROL™**. In cold weather, warm materials and/or warm water may be used to hasten the set and strength development.

CAUTION: **RAPID SET® NON-SHRINK MULTIPURPOSE GROUT CEMENT ALL™** contains cementitious materials. Freshly mixed materials may cause skin irritation. Avoid direct contact where possible and wash exposed skin areas promptly with water. If any cementitious material gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention. **SEE MSDS SHEET.**

WARRANTY: **Rapid Set® Products Company** warrants its materials to be of good quality and, at its option, within one year from date of sale it will replace material proven defective or refund purchase price thereof, and such replacement or refund shall be the limit of **Rapid Set® Products Company's** responsibility. Except for the foregoing, all warranties, express or implied, including merchantability and fitness for a particular purpose, are excluded. **Rapid Set® Products Company** shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of its materials.

CTS Cement Manufacturing Company
11065 Knott Ave., Suite A
Cypress, CA 90630

Phone: 800-929-3030
Fax: 714-379-8270
Web: www.ctscement.com
Email: rapidset@ctscement.com

cementalldata991016.doc