Rapid Power Type III (LA) Portland Cement

Phoenix Cement Rapid Power Type III (LA) meets all chemical and physical requirements of the current ASTM Specification C 150 and C 1157 HE, High Early Strength, and the UBC 19-1 and IBC 2000, 1903.2 for Type III, low alkali portland cement. Rapid Power Type III (LA) is a high early strength cement suitable for use in most general construction applications.

Strength and Set Time
Due to a higher fineness, Rapid Power Type III produces higher early-age strengths in concrete.

In tests comparing Type II cement to Rapid Power Type III (LA), average one-day strengths were 30% higher in mixes utilizing Rapid Power Type III cement.

Initial set times (by Vicat method) for Rapid Power Type III (LA) are approximately 20 to 25% faster than our Type II cement.

Durability
Rapid Power Type III (LA) is safe for use in any application where protection against moderate sulfate attack is required.

The (LA) designation indicates low alkali requirements of ASTM C 150 are met, thereby reducing the potential for damage due to alkali-aggregate reactivity.

Economy
Rapid Power Type III (LA) can provide high early strengths more economically than richer mixes utilizing a Type II cement.

Applications
Due to early-age strength development, Rapid Power Type III (LA) is excellent for:
- "Fast Track" paving or pavement repairs that must be put into service quickly
- Precast/prestressed and other cast structures that require early form removal
- Cold weather concrete applications where controlled curing period is shortened
- Earlier stripping and reduced breakage in concrete masonry production

Availability
Rapid Power Type III (LA) is produced year-round at our Clarkdale manufacturing facility 100 miles north of Phoenix. It is available in bulk and sack, by rail or truck, 7 days a week.

Phoenix Cement Company has manufactured cement specifically designed for the Southwest since 1959. This experience enables Phoenix Cement Company to continue to provide some of the highest quality cement products available.

Phoenix Cement Company is an entity of the Salt River-Pima-Maricopa Indian Community.

Supermortar Type S Masonry Cement

Supermortar is an all-purpose masonry cement suitable for use in the production of ASTM C 270 Type S masonry mortar.

Phoenix Cement Supermortar meets all requirements of the current ASTM Specification C 91 and UBC Standard 21-11 and IBC 2103.7 for Type S masonry cement. In addition, Supermortar meets the requirements of UBC Standard 25-1 for Plastic Cement.

Supermortar is the original masonry cement formulation created by Phoenix Cement Company. Since its inception in 1962, the Supermortar trade name has become synonymous with quality and consistency in the masonry industry.

Strength
Laboratory prepared specimens made with Supermortar produce compressive strengths well in excess of those required by ASTM C 270 for masonry mortar.

Workability and Board Life
Special additions to the formulation give Supermortar the high plasticity and water retention required in the hot, dry southwestern climate.

Extended board-life reduces the need for retempering and provides superior bond to masonry units.

Uniformity
With all ingredients carefully premixed at the plant, Supermortar is consistent in strength, workability and color. This property provides users with the highest reliability in strength, workability, water retention, and consistent architectural performance.

Economy
Less waste and fewer job site additions utilizing Supermortar result in increased production, thereby increased profits.

Recommended Proportions

Supermortar

Semi-dry (ASTM C 144)

Enough clean (damp, loose) potable water 1 2 1/4 TO 3 parts by volume per ASTM C 270

Supermortar Sand, Water

ASTM C 144

Supermortar Type S

Masonry Cement

Phoenix Cement Company

8800 E. Chaparral Rd., Suite 155
Scottsdale, AZ 85050
(480) 850-5757  Fax: (480) 850-5758
www.phoenixcement.com

Rapid Power Type III (LA)

Portland Cement

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Uniformity
With all ingredients carefully premixed at the plant, SUPERMORTAR is consistent in strength, workability and color. This property provides users with the highest reliability in strength, workability, water retention, and consistent architectural performance.

Economy
Less waste and fewer job site additions using SUPERMORTAR result in increased production, thereby increased profits.

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