



Rapid Set® Cement — DATASHEET

High Performance, Fast-Setting Cement

PRODUCT DESCRIPTION:

Rapid Set® Cement is a very fast-setting hydraulic cement used in concrete applications requiring the highest durability and fastest strength gain. Mix Rapid Set® Cement with water and aggregates to produce high-performance, one-hour strength concrete, mortar and grout mixtures. The High-Strength, low shrinkage, and superior durability of RapidSet® Cement result in unparalleled concrete performance. Rapid Set® Cement has a proven record of successful projects dating back to 1960.

USES:

Excellent for diverse projects including highway pavements, bridges, runways, tunnels, harbors, precast, sidewalks, floors, and many other projects. For larger jobs, Rapid Set® Cement mixtures may be batched using conventional ready-mix or volumetric mixer equipment. Many state and local municipalities throughout the U.S. specify Rapid Set® Cement in their concrete mix designs when speed and durability are important.

PHYSICAL PROPERTIES:

ASTM C109 (Mod.)

Compressive Strength:

1.5 hours 2500 psi

3 hours 5000 psi

24 hours 6500 psi

28 days 8000 psi

ASTM C109 (Mod.)

Set Time:

Initial Set 15 minutes

Final Set 35 minutes

MIX & APPLY:

A trial batch is recommended to optimize performance. For small projects, start with one 88-lb. bag of Rapid Set® Cement, 175-lb. of sand, 175-lb. of 3/8" to 3/4" stone and about 4-gal. of potable water. Place material quickly and strike off with a screed. Apply desired finish. Begin water curing immediately after final finishing. For more details, contact CTS. To control the set time use SET Control® and cold water. Concrete additives are available from the CTS Concrete Pharmacy®.

YIELD & PACKAGING:

Rapid Set® Cement - specific gravity is 2.98 g/cu.cm. Rapid Set® Cement is available through distributors in 50-lb. and 88-lb. polyethylene-lined bags. In some locations 1-ton bulk bags and bulk tonnage are available.

TECHNICAL SUPPORT:

CTS offers comprehensive support to its customers. Specification consulting, mix design support, and

jobsite servicing are available.

LIMITED WARRANTY:

CTS Cement Manufacturing Corporation (CTS) warrants its materials to be of good quality, and, at its sole option, within one year of sale, will replace defective materials or refund the purchase price thereof and such replacement or refund shall be the limit of CTS' responsibility. Except for the foregoing, all warranties, express or implied including merchantability and fitness for a particular purpose are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the material.