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# RAPID-SET CONCRETE MIX TECHNICAL DATA SHEET

A Quality Pre-packaged Dry Produce for High Early Strength

## DESCRIPTION

Rapid-Set Concrete is a rapid curing premixed, bagged product used where high early strengths are required. It is ideally suited for cold weather applications. The product consists of accurately weighed Portland admixtures and specially graded coarse and fine aggregates. With the addition of water, through mixing, proper consolidation, finishing and proper curing, and quality concrete suitable for a variety of uses will be produced.

## QUALITY

Concrete aggregates conform to requirements of the ASTM C 33-90 standards. Cement conforms to the requirements of the ASTM C 150-89. Regular quality control tests are performed and copies of the test reports are available on request.

## APPROXIMATE YIELDS

When mixed with water to a slump of approximately 3 inches (75 mm) 67 lbs) (30 kg) bag of Rapid Set Concrete gives the following approximate yields:

Bags per yd <sup>3</sup>	55
Bags per m <sup>3</sup>	72
Ft per bag	0.49
Litres per bag	14.5

## PACKAGING

Note: Packaging available in up to 1 cubic yard Bulk Bags.

## SAFETY PRECAUTIONS

Rapid-Set Concrete mix contains Portland cement, silica fume and other carefully selected additives. Normal safety wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement based products should be worn. Material Safety Data Sheets are available on request.

## TYPICAL PROPERTIES

When mixed to a slump of approximately 3 inches (75 mm) and adequately cured, Rapid Set Concrete will develop compressive strengths of 20 Mpa or more after 4 hours at 20°C.

## OPTIONAL PROPERTIES

Strengths up to 40 Mpa (6000 psi)

## ADMIXTURE OPTIONS

Admixtures can pre-blended into the product such as:

**Air Entrainment**

**Super Plasticizers**

**Accelerators**

**Fiber Reinforcements**

