



RAPID-SET CONCRETE MIX

Technical Data Sheet

A Quality pre-packaged dry produce for High Early Strength

Product 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, thorough mixing, proper consolidation, finishing, proper curing a quality concrete suitable for a variety of uses will be produced.

Quality

Concrete aggregates conform to requirements of the ASTM C33-90 standards. Cement conforms to the requirements of the ASTM C150-89. Regular quality control tests are performed, and copies of the test reports are available upon request.

Approximate Yields

When mixed with water to a slump of approximately 3 inches (75 mm, 67 LBS, 30 KGs) of rapid set concrete provides the approximate yields; detailed in the table below:

Bags Per yd³	55
Bags Per m³	72
Feet Per Bag	0.49
Litres Per Bag	14.5

Typical Properties

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

An optional strength of 40 MPa (6000 PSI) is also available.

Admixture Options

Admixtures can be pre-blended into the Rapid Set Concrete product; this includes:

- Air Entrainment
- Super Plasticizers
- Accelerators
- Fiber reinforcements

Packaging

Packaging is available up to 1 cubic yard bulk bags.

Handling & Storage

Avoid formation of respirable particles when handling Multicrete Anchor Grout and all other Multicrete materials. Avoid exceeding the given occupational limits.

Always follow standard hygiene when handling chemical products. When storing chemical products - keep material stored in their original container, keep well ventilated, dry, and observe label precautions when handling and storing. Make sure stored products are in accordance with local regulations.

Safety

Multicrete Rapid Set Concrete contains Portland cement and other carefully selected additives. Normal safety wear such as rubber gloves, respirators and safety glasses used to handle conventional cement-based products should be worn.