

RITEMIX PCR200

High-Range water-reducing and retarding (type G) 4000 to 6000 psi

PRODUCT DESCRIPTION:

RITEMIX PCR200 is amber to light brown new generation admixture based on Polycarboxylate polymers. Its water reducing property ensures good workability, high and early compressive strength. It is an effective cement dispersant and fluidifier compared to conventional superplasticizers.

CUSTOMER BENEFITS

- Produces free flowing concrete without segregation and bleeding.
- Gives substantial and economical cement savings without strength or workability loss.
- Produces self-compacting concrete without segregation.
- Good slump retention for longer time.
- Allows reduction of added water which increases concrete density and reduces porosity, resulting on improved water penetration resistance.
- Reduces concrete segregation thus improving surface finish.
- Reduces or eliminates need for compaction thus saving time and money.
- Superior performance than the conventional superplasticizers.

AREAS OF APPLICATION

- As superplasticizers to produce fluid concrete requiring little or no vibration during placing e.g. where reinforcement is heavily congested.
- As a highly efficient water reducer without loss of workability resulting in reduced permeability and accelerated early strength gain.
- Ready mix applications
- Precast applications
- Pre stressed concrete

DOSAGE

- 0.8 to 1.2% per kg cement for high workability concrete.
- The exact dosage required is best established by site trials.

TECHNICAL DATA

Standards	complies with ASTM C949 Type F
Form	Liquid
Color	Amber to light brown
Specific Gravity	1.025 +/- 0.005
Air entrainment	<1% additional air is entrained at normal dosage
Compatibility with cement	Can be used with all Portland cements. For special cement, contact MPCTI Tech'l Dept.
Compatibility with other admixtures	RITEMIX PCR200 should <u>not</u> be premixed with other admixtures.

PHYSICAL PERFORMANCE

Workability

The addition of RITEMIX PCR200 will produce flowing concrete at the same water/cement ratio of untreated concrete requiring little or no vibration during placement.

Compressive Strength

Substantial reduction in water/cement ratio will result in significant increase in compressive strength without the loss of workability.

Dispensing

The correct quantity of RITEMIX PCR200 should be measured by means of a recommended dispenser. Normally, the admixture should then be added to the concrete with the mixing water to obtain the best result.

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Curing

As with all structural concrete, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, Buildrite Curing compound spray or applied curing membrane should be used.

PACKAGING

RITEMIX PCR200 is available in 20-Liter pail or in 200-Liter drum.

STORAGE

RITEMIX PCR200 has a minimum shelf life of 1 year when stored in the original unopened containers under normal warehouse conditions

HEALTH AND SAFETY

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

FIRE

RITEMIX PCR200 is water based and non-flammable.

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Important Note:

The information contained in this leaflet is published to the best of our knowledge and is supported by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.