

TECHNICAL DATA SHEET

RITEMIX PC 100

High Performance PC Polymer-based Admixture 3000 - 4000 psi

PRODUCT DESCRIPTION:

RITEMIX PC 100 is a clear new generation admixture based on Polycarboxylate polymers. Its high-water reducing property ensures good workability and high and early compressive strength. Formwork and shuttering can be removed at early age due to its accelerated hardening properties.

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 a superplasticizer 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
- On site application
- 4000 psi compressive strength concrete requirement
- 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 C494 Type F
Specific Gravity	1.05 +/- 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 PC 100 should <u>not</u> be premixed with other admixtures.

PHYSICAL PERFORMANCE

Workability

The addition of RITEMIX PC 100 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 PC 100 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.

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.

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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 or Buildrite Curing compound spray or applied curing membrane should be used.

PACKAGING

RITEMIX PC 100 is available in 20-Liter pail or in 200-Liter drum.

STORAGE

RITEMIX PC 100 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 PC 100 is water based and non-flammable.

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