



CONCET MR PRO

WATER REDUCING & Retarding Admixture

DESCRIPTION

CONCET MR PRO is a polycarboxylate based plasticizing admixture for concrete which is flexible enough to use as an ASTM C 494 Type A and Type D water reducer. It is a mid-range/high-range water reducing and plasticizing admixture for concrete. It shows improved finishing characteristics when compared to other commonly used Type A (typically 5-6% water reduction) or Type D (typically 12-15% water reduction) admixtures. This mid-range approach to water reducing admixtures allows for a wide range of usable dosage rates for a broad application spectrum. CONCET MR PRO does not contain calcium chloride.

PRIMARY APPLICATIONS

- Ready mix concrete
- Precast concrete
- Cast in place
- Self-consolidating concrete
- Concrete mixtures utilizing Fly Ash, Slag or other natural pozzolans
- Improves workable time by controlled retardation
- Improves compaction due to increased workability, without bleeding and segregation
- Reduces shrinkage
- Lowers permeability.
- High ultimate strength without increasing cement content.

FEATURES/BENEFITS

Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement
- Improves setting times
- Superior slump retention

Hardened Concrete

- Increases early and late age strengths
- Reduces permeability
- Increases durability

TECHNICAL INFORMATION

Appearance:	Pale Brown colour liquid
Base:	Polycarboxylate Ether
Specific gravity:	1.06 ± 0.02
Air content	<1%
pH value:	Minimum 6
Chloride content (%):	Nil
Storage:	Under shade
Shelf life:	12 months

PACKAGING

CONCET MR PRO is packaged in bulk, 230KG OR 250KG HDPE Barrel.

SHELF LIFE

11 months in original, unopened container.

SPECIFICATIONS/COMPLIANCES

CONCET MR PRO meets or exceeds the requirements of:

- ASTM C 494, Type A and Type D

DIRECTIONS FOR USE

Concrete admixture is added to the concrete after addition of desired amount of water during mixing of concrete in mixer.

DOSAGE/USAGE

Generally dosed in the range of 0.5 to 1.0% by weight of cementitious materials. But go for trial mix for finalizing the dosages.

Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

CONCET MR PRO should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

Field testing is strongly recommended to optimize dose range and performance expectations with local materials.

CONCET MR PRO is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain CONCET MR PRO above freezing.
- Never agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.
- CONCET MR PRO should not be added in dry mixes under any circumstances if used for cement reduction without loss in strength, the dose Of CONCET MR PRO depends on mix design.

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