



CONCET LR PRO

WATER REDUCING & Retarding Admixture

MID-RANGE WATER REDUCERS

DESCRIPTION

CONCET LR PRO is a synthetically produced liquid water-reducing and set retarding admixture. It contains a Strength Enhancing chemistry component and does not contain calcium chloride or other potential corroding materials, and may be used in the presence of aluminum or zinc metals.

It is compatible with air-entraining agents, water reducers and calcium chloride, but they must be added separately to the mix.

PRIMARY APPLICATIONS

- Flatwork Concrete
- Architectural concrete
- Hot weather concrete placement
- Concrete requiring water reduction and set time control.
- Concreting in high temperature conditions With very low w/c ratio.
- Distance pumping purpose.
- Large pours to prevent cold joints
- General purpose ready mix concrete.

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
- Compatible with all types of OPC / OPC + Fly Ash / PPC/PSC/GGBS and with other cementitious materials.

TECHNICAL INFORMATION

Appearance:	Pale yellow colour liquid
Base:	Polycarboxylate Ether
Specific gravity:	1.04 ± 0.02
Air content	<1%
pH value:	Minimum 6
Chloride content (%):	Nil
Storage:	Under shade
Shelf life:	12 months

CONCET LR PRO

MASTER FORMAT #:

PACKAGING

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

SHELF LIFE

11 months in original, unopened container.

SPECIFICATIONS/COMPLIANCES

CONCET LR 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 0.6 to 1.3% 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 SP FLOW 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 SP FLOW 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 LR 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 LR PRO should not be added in dry mixes under any circumstances if used for cement reduction without loss in strength, the dose Of CONCET LR PRO depends on mix design.

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