

CEMCRETE PC 2124L

**MID-RANGE, RETARDING AND WATER REDUCING
ADMIXTURE, ASTM C494 (TYPE G)**



DESCRIPTION

CEMCRETE PC 2124L is a ready-to use aqueous high-performance super plasticizing admixture based on polycarboxylate co-polymers. **CEMCRETE PC 2124L** is particularly designed to enable water content of the concrete to perform more effectively. **CEMCRETE PC 2124L** can be used in high strength concrete and flowable concrete mixes to achieve the highest concrete durability and performance

FEATURES & ADVANTAGES

- High early and ultimate compressive strength.
- High density and impermeable concrete through very high-water reduction
- Improves shrinkage and creep behaviors.
- Minimizes segregation and bleeding problems by improving cohesion.
- Increases durability and resistance to aggressive atmospheric conditions thorough reduced permeability

BASIC USES

- Designed for High early and ultimate compressive strength.
- Designed to improved cohesion allows for use in mass concrete pours and piling.
- Designed to produce high-quality concrete of improved durability and water tightness.

TECHNICAL PROPERTIES

Composition	Aqueous solution of modified polycarboxylate, co-polymer
Appearance	Liquid light brown
Specific gravity @ 25°C	1.05±0.01
Freezing point	≈ -3°C
Chloride content	NIL- BS 5075

DOSAGE

Excellent results are obtained using an addition rate of 0.6 to 2.0 liters/100 kg cement depending on job conditions.

Note: To determine the required setting, performance, workability retention and strength development, trials are recommended to be conducted.

DISPENSING EQUIPMENT

A complete line of accurate automatic dispensing equipment should be available. **CEMCRETE PC 2124L** should then be added to the concrete with the mixing water to obtain the best results.

COMPATIBILITY WITH OTHER ADMIXTURES

CEMCRETE PC 2124L should not be used in conjunction with any other admixture unless prior approval is obtained from CMCI Technical Department.

CEMCRETE PC 2124L is compatible for use with all types of Portland cements and cement replacement materials such as PFA, GGBFS, and SRC and micro-silica.

Effects of Over Dosage

Overdosage of **CEMCRETE PC 2124L** will cause the following:

- Significant increase in retardation.
- Increase in workability.

The ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

STORAGE

CEMCRETE PC 2124L has a shelf life of 12 months from manufacturing date and keep at temperature between 5°C and 45°C.

CLEANING

The Spillages of **CEMCRETE PC 2124L** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remains should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Clean **CEMCRETE PC 2124L** with fresh cold water.

PACKAGING

Available in 10,000 liters bulk tanks, 1000 liters containers or 210 liters drums



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**CONSTRUCTION
CHEMICALS**

HEALTH AND SAFETY

- It is safe for use with standard precautions wear suitable protective clothing, safety goggles and gloves
- If swallowed, do not induce vomiting, and seek medical attention.
- In case of accidental eye contact wash copious quantities of water and seek medical attention.
- Should skin contact occur, rinse the exposed skin with plenty of water, if irritation persists, seek medical attention.
- **CEMCRETE PC 2124L** is water based and non-flammable.

TSS/080821-A

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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