

COSTARCEL 200

Chloride Free Accelerating admixture for reinforced concrete

Description

COSTARCEL 200 is ready-to-use liquid accelerating admixture for concrete. It accelerates initial setting time one to three times faster than normal mortar and concrete without adversely affecting other properties of concrete and mortar.

COSTARCEL 200 improves workability and strength while hastening the hydration of cement. It makes the mix easier to place and speeds construction by shortening the initial set and curing time without resulting in slump loss. Time and labor are saved because formwork and other protection can be removed earlier and finishing can be started.

Uses

- Concrete requiring fast stripping times
- Self-compacting concrete
- Pile cap re-profiling
- As a substitute for rapid hardening cement
- Pre-cast elements
- Can also be used in cold climates where accelerated strength development is necessary

Features

- Chloride free, safe in pre-stressed and reinforced concrete
- Allows continued placing of concrete at low temperatures.
- Gives additional frost protection by reducing the low water content and accelerating hydration of cement
- Reduces segregation and increases density and compressive strength
- Can be used for concrete repair especially areas requiring SCC repair compounds
- High Flow and Fluidity and controlled expansion
- Allows for early stripping and re use of forms
- No effect on slump

Technical Data

Appearance	Brown Low Viscous Liquid
Chloride Content	Nil
PH Value	7-9
Density	1.15g/cm ³ ± 0.01
Air Entrainment	< 2%

Dosage

Optimum dosage should always be determined by trials using the materials and conditions that will be exposed in use to meet specific requirements.

Typical dosage for costarcel 200 is within the range of 1% - 2% of cementitious material.

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Non - Chloride Based Accelerating Admixture for Concrete and Mortar

Effect of Overdosage

An overdose of above the recommended level of admixture may result in high workability, slight increase in air entrainment and retardation of setting time. The ultimate strength of the concrete will not be adversely affected and will generally be higher than for normal concrete if properly placed and cured.

Spillage/Cleaning

- Spillages of product should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.
- Remnants should be hosed down with large quantities of water.

Fire

- It is water based and non- flammable.

Packing Size

1000L tank, 210L drum & 25L gallon

Shelf Life

- 1 year

Standards

- Costarcel 200 is formulated to comply with all the requirements of
- ASTM C494, Type C
 - En943, Part 2, Tables 1&2.

Safety Precautions

- Avoid Contact with eyes and skin
- If skin contact occurs, wash skin thoroughly
- Wear Protective gloves and eye protection during work
- If In eyes, hold eyes open, flood with warm water and seek medical attention immediately

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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