

# COSTARCEL 100

Chloride Based Accelerating Admixture for Concrete and Mortar

## Description

COSTARCEL 100 is chloride based concrete set accelerator, ready-to-use liquid admixture. 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 100 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.

Early Strength Concrete: COSTARCEL 100 delivers excellent results in normal and hot weather conditions where very high early strengths are required. COSTARCEL 100 is designed for applications where early stiffening (slump loss) is not desirable but high early strengths must be obtained within a specified time.

## Advantages

- Can be used for concrete repair especially areas requiring SCC repair compounds
- High Flow and Fluidity and controlled expansion
- Chemical resistant
- Allows for early stripping and re use of forms
- No effect on slump
- High strength

## Uses

- Concrete repairs and protection
- 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

## Packaging/Shelf life

25litres keg, 210 liters drum. Shelf life is 12 months when stored in a cool dry place

## Surface Preparation

**Density:** 1.1kg/liter

**PH VALUE:** 0.7

## Dosage

Standard dosage is 0.4-1.2% of cement content. This amounts to between 200ml -600ml per 50kg of cement in certain applications and situation where higher level of acceleration is desired, dosaging may be increased to 1-2% (500ml-1000ml)

It is better to add COSTARCEL 100 to wet concrete after more than 50% of the initial water has been added.

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## Costar Manufacturing

Costar provides detailed method statements on all its products For use in various applications. For additional information contact your **COSTAR Building Product Systems** local representative.

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For information and advice on the safe handling, storage and disposal of chemical Products, users should refer to the **most recent Material Safety Data Sheet** containing physical, ecological, toxicological and other safety related data.

## 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

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