

ARMORCEL 300

PCE Based Accelerating Admixture for Concrete and Mortar

Product Description:

ARMORCEL 300® is a non-chloride PCE 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

ARMORCEL 300 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 forms and other protection can be removed earlier and finishing can be started.

Early Strength Concrete: **ARMORCEL 300®** Accelerator delivers excellent results in normal and hot weather conditions where very high early strengths are required. Conventional accelerators promote early stiffening of the concrete, making it unworkable within a short period of time. **ARMORCEL 300®** Accelerator 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
- Bonds to wet and dry surfaces
- 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 and Shelf Life:

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

Technical Information:

Density - 1.1kg/litre

PH VALUE - 0.7
Chloride Content - Nil

Yield:

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 ARMORCEL 300 to wet concrete after more than 50% of the initial water has been added.

Armorsil Manufacturing:

Armorsil provides detailed method statements on all its products for use in various applications. For additional information contact your **ARMORSIL** local representative.

Health and Safety

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.



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