



Technical Data Sheet

ProCast F1 High Performance PCE Waterproofing plasticizer for Concrete & Cement products

Description

ProCast F1 is a new generation of polycarboxylate ether waterproofing anti efflorescence admixture formulated from selected polymers and organic materials specially designed to help in produce waterproofing properties when mixed with cement products. At the same time, **ProCast F1** is also intended to receive weather-resistant finishes, as it significantly limits any water to get into the pores of the block from migrating to the interior of the building by capillary suction.

Integral water repellants are also effective at reducing efflorescence since water migration throughout the block is reduced.

Application

Civil Contractors and DIY professionals use **ProCast F1** in the production of Paving blocks, masonry blocks, interlock concrete structures such as slabs and foundations, walls, columns, slender components with densely packed reinforcement, textures surface finishes, pre-stressed concrete, bridges, cantilever structures and readymix concrete where waterproofing required.

Advantages

- Enhanced higher early strength
- High effectiveness waterproofing for colored cement products
- Reduce the curing times and optimized the curing cycles
- More durable concrete, lower in permeability.
- Provides concrete protection throughout the concrete depth.
- **Procast F1** Reduce Efflorescence
- Chloride free.

Technical properties

Appearance	Lumps free liquid
Specific Gravity	1.05+/-0.02
Total Chloride Content	Nil

Method of Use and additional rate

ProCast F1 is ready-to-use admixture to be added to the concrete during the mixing process.

The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of around 85% of the total water. The water content is adjusted to obtain the desired workability.

Dosage Rate

Dosage rate of 0.5 – 1.5% volume per weight of cementitious material. It is recommended to carry out trial mixes with actual mix constituents to define the exact dosage rate required and to assess effect on the properties of the concrete.

Effects of overdosing

When overdosing beyond the design limit occurs, there will be increase in workability and air content, accompanied with a minor reduction in compressive strength. But the concrete water repellency properties will not be affected instead will be greatly improved.

Cleaning

In case of spillage, wash it with clean water.

Packaging

Available in bulk, 1000 Lt. Tote or in 210Lt. drums

Cautions

Health and safety

ProCast F1 is not a fire or health hazard.

If however, it is spilled, the floor will become slippery and should be washed down with water immediately but should not be left to enter sewers/surface or ground water, in case of uncontrollable situation, wash it with plenty of water to dilute.

In case of eye contact or ingestion, seek medical attention without delay.

Do not dispose of into water or soil but according to local regulations.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Storage

ProCast F1 shelf life is 6 months from date of manufacture.

Fire

ProCast F1 is non-flammable.



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