



Technical Data Sheet

Ecoproof 650

High performance Integral Waterproofing Admixture for
Concrete/Blocks and Curbstone

Description

Ecoproof 650 is a concrete waterproofing admixture formulated from selected organic materials specially designed to help produce hydrophobic and waterproofing properties when mixed with concrete. These hydrophobic materials help in preventing steel corrosion and reduce the permeability of concrete.

Ecoproof 650 reduces the water penetration into the concrete and increases the water impermeabilities. Active chemicals of the product react with moisture in fresh concrete and with the by-products of cement hydration to produce a catalytic reaction.

Ecoproof 650 650 is conveniently available in both powder and liquid formulations for your preference.

Application

The combination of **Ecoproof 650** with the Spectra range or other high-performance super plasticizers from Envirocon can significantly enhance the quality and durability of concrete by reducing permeability and water absorption.

Ecoproof 650 is particularly recommended for a variety of concrete applications, including water retaining structures, concrete slabs and foundations, swimming pools, water tanks, reservoirs, lift pits, concrete basements, and underground car parking structures.

Advantages

- More durable concrete, lower permeability.
- Provides concrete protection throughout the concrete depth.
- Chloride and bitumen free.
- **Ecoproof 650** improves concrete aesthetic appearance, it reduces efflorescence, and suitable for pigmented concrete.
- Available in powder and liquid form

Technical properties

Ecoproof 650 liquid

Appearance	Lumps free liquid
Color	Cloudy yellow liquid
Specific Gravity	1.30+/-0.05
Total Chloride Content	Nil

Ecoproof 650 Powder

Appearance	Lumps free flowing powder
Color	White
Total Chloride Content	Nil

Method of Use and additional rate

Ecoproof 650 can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete. If using with other concrete admixture, it should be added separately. For ready Mix Concrete. **Ecoproof 650** can be added to the concrete immediately prior to discharge and after further mixing has taken place for three minutes.

Dosage Rate

Dosage rate of 0.5 – 2.0% 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.

Ecoproof 650 can be combined with other admixtures in our range provided that they should be added separately to the concrete mix. Trial mixes are recommended to ensure design parameters and dosage are attained. It is compatible with local cements and cementitious replacements.

Effects of overdosing

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

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

Ecoproof 650 shelf life is 6 months from date of manufacture.

Cleaning

In case of spillage, wash it with clean water.

Packaging

Liquid : available in bulk, 1000 Lt. Tote or in 210Lt. drums
Powder : 20kg bag

Cautions

Health and safety

Ecoproof 650 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.

Fire

Ecoproof 650 is non-flammable.



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