



Technical Data Sheet

Ecoproof 420 Integral Waterproofing Concrete Admixture



Description

Ecoproof 420 is a liquid-based, water miscible integral water proofing agent. It is designed to effectively produce concrete with a very minimum water absorption by means of hydrophobic pore-blocking.

Application

Ready mix producers, Precast, Civil Contractors and DIY professionals use **Ecoproof 420** in the production of concrete for structures such as roof systems, walls designed for water tanks, reservoirs, dams, sluice gates, underground manhole and external structures subjected to water or moisture.

Advantages

Ecoproof 420 provides less than 1% water absorption when tested to BS 1881-122 method for determination of water absorption. Increased in resistance to weathering and chemical attack is obviously achieved.

Ecoproof 420 improves concrete aesthetic appearance, it reduces efflorescence and it is suitable for pigmented concrete.

Technical properties

Appearance	Liquid Modified fatty acids dispersion
Color	Hazy/Clear Liquid
Specific Gravity	1.04+/-0.02
Total Chloride Content	Nil

Method of Use and additional rate

Ecoproof 420 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 420 can be added to the concrete immediately prior to discharge and after further mixing has taken place for three minutes.



Addition rates:

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 420 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 are attained. It is compatible with local cements and cementitious replacements

Effects of overdosing

When overdosing 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.

Storage

Ecoproof 420 shelf life is 6 months from date of manufacture.

Cleaning

In case of spillage, wash it with clean water.

Packaging

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

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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Cautions

Health and safety

Ecoproof 420 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 420 is non-flammable.

E n v i r o c o n C o n s t r u c t i o n P r o d u c t s L L C



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