

High Range Water Reducing & Retarding Admixture

PolyInCrete G

Description

PolyInCrete G is a high range super plasticizer with a set retarding effect for producing high slump concrete in hot climates. The product is based on sulphonated naphthalene and inorganic materials.

Uses

- Mass concrete pours casted in hot climates
- Long-distance transport concrete pumping

Key Features & Advantages

- Delayed setting with high workability for longer periods.
- Can be used with all types of cements except high alumina cement.
- Improved workability - Easier, quicker placing and compaction, with reduced bad surface finish.
- Increased strength - Provides high early strength if water reduction is taken advantage of, compressive strength could be increased by at least 10% than non-admixed concrete.
- Increased quality - Denser, close textured concrete with reduced porosity providing higher ultimate strengths with reduced permeability and improved durability.
- Higher cohesion and though risk of segregation and bleeding is minimized and lower pumping pressure is required.

Technical Properties

Appearance : Brown liquid.

Specific gravity : 1.2 to 1.25 @25°C.

Chloride content : Nil.

Standards

complies with IS:9103:1999 and

BS:5075 Part 3 - 1985, and ASTM-C494M - 99a, 1999 Type G as a high range water reducing admixture.

Application & Performance

- Dosage: 0.5 to 2% by weight of cement depending on the mix design. Site trials should be carried out to optimise dosages.
- Up to 20% mixing water reduction could be achieved according to the dose of admixture and mix design.
- **PolyInCrete G** is dispensed into the concrete together with mixing water, for best results add to the concrete after 50-70% of the mixing water has been added.
- Curing: the use of **PolyCure R** is recommended after disappearance of surface water of casted concrete.

Packaging

PolyInCrete G is supplied in 5 kg, 20 kg plastic Jerrycans and 225 kg steel drums.

Storage

PolyInCrete G should be stored in shaded area.

Shelf life

14 months in unopened containers.

Cleaning

Remaining materials can be removed by water.

Health and Safety

- **PolyInCrete G** is not flammable.
- **PolyInCrete G** is not toxic but it is alkaline in nature so skin should be protected by mean tools.
- If contacted with eyes, should be thoroughly washed with running water, and seek medical advice.
- If swallowed a medical help should be provide.



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PolyInCrete G **PolyInCrete**[®] tailored concrete




Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose

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