



Structuro 335

High Performance Concrete

Superplasticizer based on Poly-carboxylic Technology

Uses

Structuro 335 is a high performance superplasticizer intended for application where increased early strength and ultimate compressive strength are required.

Advantages

- Increased early strength
- Controlled retardation of set time
- Increased ultimate strength
- Improved ease of placing
- Extends placing time
- Allows concreting in hot weather
- Higher density, hence improved durability
- Saves cement without loss in strength

Standards Compliance

Structuro 335 complies with the requirements of ASTM C494 Type F and D as a High Range retarding & water reducing admixture.

Description

Structuro 335 is based on Poly-carboxylic technology, enhances cement and aggregate mix cohesiveness resulting in durability of concrete.

It allows the production of high performance concrete and/or concrete with high workability.

Technical Support

FOSROC provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

Properties

No intentionally add calcium chloride.

Specific Gravity: 1.08 – 1.1 at 23+/-3 °C

Setting Time: Initial and final set times can be related to cement type and ambient temperature.

Compressive Strength: Suitable for usage of manufactured sand that combined with natural/silica sand.

The early and late strength both can be achieved.

Density / durability : Increases density giving improved durability and resistance to water penetration.

Compatibility: Can be used with usage 100% manufactured sand and all types of Portland cement, also with PFA and ground slag.

Limitation: NOT compatible with Naphthalene based Admixture.

Application Instructions

Dosage

Normal dosage rate is 0.5 to 2% of cement/cementitious content, depending on retardation required.

Optimum dosage should be determined by site trials.

Dispensing

A recommended dispenser should be used. Structuro 335 should be added directly to the mixer, preferably at the same time as the mixing water.

Overdosing

Double the recommended dosage of Structuro 335 could result in excessive retardation of setting of concrete. Workability will be greatly increased. Early strength may be lower, but the ultimate strength will not be impaired if good curing is maintained

Curing

FOSROC product: CONCURE curing membrane is recommended or can use alternative good curing method.

Packaging

Structuro 335 is available in 210 litre drum or 1000 litre bulk.

Structuro 335

constructive solutions

Storage

Shelf life is 12 months temperature at 20 – 35°C in its closed original container. Higher Temperature condition may reduce the shelf life.

Precautions

Health and Safety

Structuro 335 is non-toxic.

However, if contact with eyes occurs, wash well with water, and immediately seek medical advice. It is irritant to skin.

Safety Data Sheet is available on request.

Fire

Structuro 335 is non-flammable.

Spillages

Can be removed with water and rag. Transfer into suitable waste container.



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Important note

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