

Description

PLSTO-S441 is based on hyper plasticising sulphonated synthetic polymers

Uses:

- PLSTO-S441 is recommended in all high grade concrete which has a cement content of over 400kg/ m³
- PLSTO-S441 is recommended in hot weather concreting where workability retention over long periods are required.
- PLSTO-S441 is recommended in marine structures, pile foundations, bridge girders, high rise structures and such structures where quality of concrete is of prime importance.
- PLSTO-S441 is also recommended where very high initial and ultimate strengths are expected.

Advantages

Hyper plasticizing action of this product produces free flowing Concrete, With Most Kinds Of Aggregates And Varying Fine Aggregates.

- PLSTO-S441 Maintains The Workability Over Long Periods.
- PLSTO-S441 Helps In Production Of High Quality Concrete Which Exhibits Superior Compressive, Tensile And Flexible Strengths And Exhibits Excellent Resistance To Chloride And Sulphide Attacks On Concrete.
- PLSTO-S441 Is Compatible With All Types Of Cements Including Puzzolonic And Fly Ash / Slag Cements.
- PLSTO-S441 Is Specially Suggested In All High Strength Concrete And In Construction Of Marine Structures, Pile Foundations And Bridge Girders.
- PLSTO-S441 Enables Production Of Dense Impermeable And Fair Finish Concrete.
- Upto 20-25% water reduction is possible

Appearance : Straw coloured liqued

Chemical Base: sulphonated synthetic polymers

Packaging: PLSTO-S441 Is Available In 230 kg Non Returnable Drums.

Storage & Shelf Life

12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.

Dosage

0.2 to 0.4% by weight of cement. For more demanding situations use 0.5%. PLSTO-S441 is compatible with all types of Portland cement including Sulphate Resistant Cement (SRC). Actual dosage to be finalised on the basis of site trials.

Application Conditions Instructions For Use

PLSTO-S441 should be added to the mix along with water. Addition of plasticizers to the dry mix or dry cement should be avoided. during long transits of concrete fifty percent of the recommended dosage of PLSTO-S441 can be added at the batching plant and the remaining fifty percent at just before pouring.

Important Notes

when accidental overdosing of normal setting PLSTO-S441 occurs the setting time will be retarded. during this period the concrete must be kept moist to prevent premature drying out.

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