Eco Build 4627p9

PCE based reducing superplasticising admixture for concrete.

Description

Eco Build 4627p9 is a unique combination of the latest generation superplasticisers on a modified Polycarboxylic Ether (PCE) polymer with long lateral chains. The product has been primarily developed for applications in ready mix and site batched concrete. **Eco Build 4627p9** makes possible for long time slump retention but using less water than other products.

Eco Build 4627p9 has been specially formulated to give high water reductions up to 30 % without loss of workability or to produce high quality concrete of reduced permeability.

Uses

- Good workability for long distance transportation
- Ready Mixed Concrete
- High water reduction and High ultimate strength
- Pumped concrete
- Precast/ pre stress concrete
- To maintain minimum water cement ratio in concrete
- Increased durability
- Improve density and surface finish

Advantages

- Substantial improved in Workability.
- Reduction shrinkage and surface finish
- Lower permeability
- Improved cohesion and particle dispersion minimizes segregation & bleeding and improved pump ability
- Improved density and surface finish
- Feasible to use to make good fare face concrete
- Chloride free dose not attack reinforcement and pre stressed cable.

Technical Data

Color	Yellowish viscous liquid
Specific Gravity	1.08+0.02 at 25 C
Chloride Content	Below 0.001%
PH	4.5 + 1.0
Viscosity	450+200 cPs
Salt Scaling Resistance	Excellent

Standard Compliance

Eco Build 4627p9 complies with IS 9103:1999 & EN 934-2

Eco Build 4627p9 conforms to ASTM C-494,Type `B', Type `D`and Type `G`.

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Dosage

The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured. Site trails with **Eco Build 4627p9** should always be compared with mix containing no admixture. As a guide, the rate of addition is generally in the range of 400 ml to 1200 ml per 100 kg cement. For good quality workable concrete the ideal dose of **Eco Build 4627p9** lays from 0.7% to 1.2% by weight of cement used in the mix design.

Packaging

Eco Build is packaged depending on customer`s demand

- 250 kg PE Drum

Caution & Storage

Do not allow product to freeze or be stored in temperature below freezing

- Non-flammable & Non-toxic.
- When contact with skin or clothing, wash with water.

Application

- Reduction of segregation and bleeding in the mix at high workability.
- Self-compacting concrete
- High-rise buildings with high durability
- Reduced shrinkage and creep
- Pre-cast & Pre-stressed elements
- Improve density and surface finish.

Experimental Result

Slump (mm)			
Initial	1 hr	2 hr	3 hr
220	230	180	120

Compressive Strength (Mpa)