



DURASUPALATE PC400

High range hyperplasticiser with high-workability-retention property for hot weather concreting

Description:

It is a brown coloured liquid based on polyhydroxy carboxylate polymer. It is a new generation hyperplasticiser in aqueous dispersion. The special polymer structure makes it possible to add the silky effect of the lateral carboxylic chains to the dispersant effect of the main chain. **DURASUPALATE** admixed concrete at a recommended dosage is found to be extremely workable even with low W/C ratio as compared to control mix.

Uses :

DURASUPALATE is extensively used to produce concrete of the following types:

- Concrete with long transportation time.
- Self-compacting / self leveling concrete.

Features :

- Large water reduction with retention of workability, which can be achieved with retarded version of normal superplasticiser.
- Micro-cracks in hardened concrete are reduced to minimum.
- Strength development after 36 hrs is gradual and normal.
- Ultimate strength at 28 days is found to be always higher.
- Superb slump retention property.
- Excessive dosage beyond 2% may be avoided otherwise concrete shall be highly retarded.
- A new generation hyperplasticiser.

Application:

DURASUPALATE is compatible with other admixtures based on Naphthalene sulphonate, Melamine sulphonate & lignosulphonate, but not compatible with air entraining agent. Our technical division may be consulted for use of AEA.

Dosage:

The required dosage-quantity may be established by the site trial for optimum performance. Dosage of 0.40% to 1.50% by weight of cement may be used as per the need of performance of concrete.

Technical Data :

Physical characteristics	: Brown coloured liquid.
P _H as supplied	: 6.00 ± 1.00
Dry residue	: 48 ± 1
S. G. at 27 ⁰ C	: 1.100 ± 0.02
Packing	: In 250 kg containers
Storage / shelf Life	: 12 months if stored in original container at under shad. Temperature between 5 ⁰ C and 40 ⁰ C.
Solubility in water	: Completely soluble.
Health & Safety	: Eco-friendly. Avoid skin contact. If it splashes On eyes, wash immediately with plenty of water. If there is irritation, seek medical advice.

DURA[®]



IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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