



CRETESTONE

CRETOFLOW AD-1404

[PCE Based Superplasticizer for Slump Flow Retention]

Description

CRETOFLOW AD 1404 is a specially designed PCE based Super- Plasticizer to achieve a significantly enhanced slump flow retention without additional retardation

Uses

CRETOFLOW AD 1404 is especially suitable for concrete mixes with extended workability requirements as well as improved flow characteristics. CRETOFLOW AD 1404 is mainly used for the following types of concrete:

Any concrete hot/cold weather with extended transportation and workability time
Suitable for a wide range of applications with high or low W/C and for high or low environment temperatures.

Define the workability time based on project requirements without a negative effect on early strength development

Advantages

CRETOFLOW AD 1404 produces a more uniformly cohesive high quality free flowing concrete. It will result in the following advantages of concrete:

- Improved dispersion properties
- Keeps workability for extended time
- Slump flow retention without additional retardation
- Constant slump flow
- Smooth concrete and concreting operations
- Improved theology
- Improved strength development Reduced drying shrinkage
- Improved durability

Packing

230 kg drums /Bulk supply

Storage

12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperature's between +10°C and +40°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base	Aqueous solution of modified polycarboxylate
Appearance / Color	Brown liquid
Chloride Content	Nil
pH Value	≥ 6
Relative density	~1.11 kg/Ltr at 25°C
Approval standards	IS 9103 -1999, ASTM C 494

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Dosage Limitation

Optimum dosage of CRETOFLOW AD 1404 should be determined by site trials. Recommended dosage: 0.5 – 1.25% by weight of cementitious mix. A higher dosage might be used if agreed by client or consultant. Stir well before use.

Compatibility

CRETOFLOW AD 1404 may be combined with many other CRETESTONE Products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

Dispensing

CRETOFLOW AD 1404 can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of CRETOFLOW AD 1404 to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

Application Method

By use of CRETOFLOW AD 1404 concrete of highest quality can be produced.

The standard rules of good concreting practice, concerning production as well as placing, are to be followed.

Fresh concrete must be cured properly and curing applied as early as possible.

Health and Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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