

NOVATECH F6

High Mineral Additives Replacement Concrete

Description

Novatech F6 is a new generation accelerator superplasticiser developed for high volume fly ash or GGBFS replacement concrete. It contains polycarboxylate ether polymers and is specially formulated to give exceptionally normal water reduction and significantly improved rapid strength development compared to conventional superplasticiser.

Recommended for

- ✓ High volume Fly ash concrete
- ✓ Precast Concrete
- ✓ Rapid hardening concrete
- ✓ High strength concrete
- ✓ Ready-mixed concrete
- ✓ High volume GGBFS replacement

Advantages

- ✓ Good dispersion even in mixes with high fines high workability for longer periods
- ✓ Lower pumping pressure
- ✓ Up to 50% Fly ash replacement
- ✓ Up to 80% GGBFS replacement
- ✓ Resistance to segregation even at high workability, faster setting with longer workability
- ✓ Increase rapid strength development

Standard Compliance

Novatech F6 complies with IS9103:1999, BS 5075 and ASTM494 Types A and E admixture depend on dosage.

Compatibility

Novatech F6 is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and micro silica.

Technical Properties

Appearance	Light Amber liquid
Specific Gravity	1.06 ± 0.02
Air Entrainment, %	≤ 1.5 over control mix
pH	≥ 6
Chloride Content	Negligible

** The uniformity parameters like specific gravity, pH, chloride content etc., will vary for specific customer requirements and mix design. Please refer our MTC issued for specific product and configuration measuring our product parameters that will constantly consistently be administered. **

Dosage

Novatech F6 for minimum Dosage required at 2 kg/m³ by conducting and established after trials.

** Higher dosage can be used if agreed and allowed by clients/consultants.

Effects of over dosage

A severe over-dosage of **Novatech F6** can result in the following:

- ✓ Rapid hardening in Concrete
- ✓ Immediate attain final set of Concrete
- ✓ Quick loss of workability

Packaging

200 kg barrels and bulk in 10 kL tankers.

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Freezing Point

Approximately -2°C.

Precautions

- ✓ Not to be stored at high temperatures for longer periods.
- ✓ Should be protected from frost.
- ✓ It is non-toxic and formulated from chemicals which present no fire or health hazards.
- ✓ Spillages should be washed down immediately with water.

Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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