

NOVAPLAST 8100

High Performance Superplasticising Admixture

Description

NOVAPLAST 8100 is a multi-range superplasticising admixture based on selected sulphonated naphthalene polymers. It is supplied as a brown solution which instantly disperses in water.

NOVAPLAST 8100 disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively. The moderate to high levels of water reduction possible allow major increases in strength to be obtained.

Domains of Application

- ✓ All cement types
- ✓ Especially for Ready Mix Concrete / Job site
- ✓ Single admixture for wide range of concrete
- ✓ Concrete using moderate to high SCM
- ✓ To make regular concrete better
- ✓ High to very high-performance concrete

Advantages

- ✓ Admixture suitable for pumping different grades of concrete to greater heights.
- ✓ Improves workability – Easier, quicker placing and compaction.
- ✓ Provides higher strength without increase in cement content or reduction in workability / Water (15% to 21%) can be achieved.
- ✓ Reduces rate of workability loss normally associated with superplasticizers.

- ✓ Reduces shrinkage cracking because of lower water cement ratio.
- ✓ Makes concrete water impermeable.
- ✓ Better resistance to carbonation.
- ✓ Increases durability.

Technical Properties

Form	Brown Liquid
Air Entrainment	≤ 1.5% over control mix
pH	≥ 6
Chloride content	Nil (As per BS 5075)

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

Standard Compliance

NOVAPLAST 8100 complies with IS 9103:1999, BS 5075 and ASTM C494 Type F and G admixture depending on dosage used.

Dosage

Optimum dosage can only be established after trials, considering the rheological characteristics and the required mechanical performances. Rate of addition is generally in the range of 0.5% to 1.5% by weight of cementitious material.

Packaging

230 kg HDPE barrels or in bulk tankers on request.

Shelf life

If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Freezing point

Approximately -2°C.

Precautions

Not to be stored at high temperatures for long 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

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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