

# NOVAMIX 2000

## High Performance Admixture for Structural Concrete

### Description

**Novamix 2000** is a newly developed superplasticiser for use in all types of concrete. It contains hybrid polycarboxylic ether polymers and is specially formulated to give exceptionally high-water reduction and improved slump retention compared to traditional plasticisers. It is in-built with viscosity modifying agent which helps in the production of concrete with enhanced viscosity and controlled rheological properties.

### Recommended

- ✓ Pumpable concrete
- ✓ High fluidity concrete
- ✓ Highly durable concrete
- ✓ Ready-mixed concrete
- ✓ Long distance transport concrete
- ✓ Concrete pavement

### Advantages

- ✓ Highly dispersible even in mixes with high fines
- ✓ High workability for longer periods
- ✓ Resistance to segregation even at high workability, extended setting with longer workability
- ✓ Reduced water content for a given workability and strength
- ✓ Reduced rate of workability loss normally associated with superplasticisers

### Standard Compliance

**Novamix 2000** complies with IS 9103:1999 (RA 2018), BS 5075, ASTM 494 Type F and G and AASHTO M 194 admixtures depending on dosage.

### Compatibility

**Novamix 2000** is suitable for use with all types of Portland cement, SR cement and cement replacement materials such as PFA, GGBFS and micro silica.

### Technical Properties

Form	Light Amber Liquid
Air Entrainment	≤ 1.5% over control mix
pH	≥ 6
Chloride content	Nil (As per BS 5075-Part 1)

### Dosage

The optimum dosage for **Novamix 2000** can only be established after trials, considering the physical characteristics and the required mechanical properties. The dosage range will generally be in the range of 0.35% to 1.5% by weight of cementitious material.

A higher dosage can be used if agreed and allowed by clients/consultants.

### Effects of Overdosage

A severe over dosage of **Novamix 2000** can result in the following:

- ✓ Reduced permeability
- ✓ Prolonged initial and final set
- ✓ Bleed/segregation of mix

A slight overdosing may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on formwork, and stripping times should be monitored.

### Packaging

230 kg HDPE barrels and in bulk tankers.

### Shelf life & Storage

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

### Freezing point

Approximately, -2°C.

### Precautions

Care should be taken to maintain **Novamix 2000** above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.

### Safety

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

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