

CONXL

FAST SETTING SUPERPLASTICIZER FOR PRECAST CONCRETE

DESCRIPTION

CONXL is a water-reducing admixture for high performance, high strength and durable concrete. It is based on sulphonated naphthalene formaldehyde. It is specially developed for precast concrete application

USES:

CONXL is mainly for the following types of concrete.

- High performance concrete
- In site piling concrete
- Precast concrete
- Site batched concrete
- Pumping concrete

BENEFITS AND ADVANTAGES

- Excellent workability and flow behaviour.
- Significantly increase strength development.
- Strong plasticizing effect with low dosage.
- Easy finishing.
- Very good surface appearance after removal of formwork.
- Compatible with ordinary Portland as well as slag and fly ash blended cements.
- It is ideal for pre-stressed concrete and precast concrete products like paver blocks, designer concrete tiles, solid and hollow blocks, etc.
- Self-leveling concrete without efflorescence.
- Faster turn-around of formwork, higher output.
- Reduction of cement content or increased use of economic cementitious materials.
- Reduction of energy consumption.
- Earlier achievement of release strength enables earlier transportation of precast elements.

CHEMICAL PROPERTIES

Appearance	:	Dark Brownish Liquid
Relative density	:	1.18
pH value	:	7±1
Chloride content	:	0.012 IS:9103-1999 IS 6925-1973 (Reaffirmed 2013)
Solubility	:	Water Soluble

STANDARDS

. CONXL conforms to ASTM C 494 Type A and Type C and complies with IS: 9103 - 1999.

DOSAGE

Range : 250 ml - 1500 ml per 100 kg cement.

(0.25% to 1.5% [v/w]) Optimum dosage to be fixed by laboratory and site trials.

As with most commodity concrete additives, the efficiency obtained by the use of CONXL is dependent on dosage, water-to-cement ratio, the nature of constituent materials such as cement, fly ash and ground granulated blast furnace slag. The type of cement, its fineness and the C3A (tricalcium aluminate) content are important parameters that influence the performance of the chemical admixture. It is therefore necessary to assess the performance of concrete in its conditions of placing to arrive at optimum dosage of CONXL to ensure desirable plastic and hardened concrete properties.

COMPATIBILITY WITH CEMENT

CONXL can be used with all types of OPC, composite cement (PSC and PPC), Silica Fume, Metakaolin, Rice Husk Ash (RHA), Pulverized Fuel Ash (PFA) and Ground-Granulated Blast-Furnace Slag (GGBFS).

MATERIAL SAFETY DATA

CONXL is made from chemicals which present no fire or health hazard. However, in case of spillage, washing with water is adequate. Eye / skin contact should be avoided.

STORAGE AND SHELF LIFE

To be stored away from heat and frost. Best before 12 months from the date of manufacture.

PACKING

60 Kg and 250 kg HDPE drums. Small and Bulk packing on request.

DISCLAIMER

Information contained in this bulletin is true, accurate and represents our best knowledge and experience. No warranty is given or implied with any recommendations made by us or any of our representatives, as the conditions of use and the competence of any labour involved in the produce usage are beyond our control.

