



# CN-PLAST

## Normal Water Reducing Admixture And Concrete Waterproofer

### DESCRIPTION

“CN-PLAST” is a well dispersed, sugar reduced lignosulphonate based water reducing and waterproofing admixture. “CN-PLAST” conforms to IS 9103-1979, IS 2645-1975 & ASTM C -4 94 TYPE A

### ADVANTAGES

- \* Improves the workability of concrete.
- \* Improves both early and ultimate strength without increasing cement content and without reducing workability.
- \* Saves cement without reducing strength and workability.
- \* Improves even harsh mix and makes it easier to place the concrete.
- \* Improves surface finish, allows to produce denser concrete.
- \* Reduces drying shrinkage cracks, bleeding and segregation of concrete.
- \* Reduces the permeability of concrete.
- \* Makes the concrete more durable.

### COMPATIBILITY

“CN-PLAST” is compatible with all types of Indian cement. But to get the maximum ultimate beneficial properties it is advisable to conduct trial mixes before use.

### APPLICATION DATA

#### USES/ LOCATION

- \* At locations with congested reinforcement, thin slender section or any other locations, where improved workability is required.
- \* Pump concreting as it improves the lubricating properties.
- \* Roof slabs for both residential as well as industrial building.
- \* Medium to low grade concrete to improve the cohesively.
- \* Water retaining structures.

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## DOSAGE

The optimum dosage depends on type of mix, grade of concrete, cement content and the desired workability. It is advisable to conduct laboratory or site trials with particular mix to achieve the optimum economical dosage. As a guide the dosage may vary from 200ml to 1500ml per bag of cement.

## PROPERTIES/TECHNICAL DATA

Form	:	Liquid
Colour	:	Brown
Sp. Gravity	:	1.12±0.02
Setting Time	:	Marginal retardation but well below its acceptable limit
Air Entrainment	:	Marginal increase in air content but well below its acceptable limit
Chloride	:	Nil
Toxicity	:	Non-toxic
pH	:	7 to 9
Shelf Life	:	More than one year if unopened and stored properly
Packing	:	25, 100 & 200 litre drums.

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### TECHNICAL SERVICE :

*SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.*

*SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee*

**NOTE :** This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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