

MASTERSPEED ANC 7

CHLORIDE FREE ACCELERATING PLASTICISER FOR CONCRETE

DESCRIPTION

MASTERSPEED ANC-7 is a concrete plasticizer and set rate accelerator. On addition of concrete it disperses the cement particles which improves the workability and accelerates the setting time of concrete.

FEATURES / ADVANTAGES

- Chloride free accelerator and does not corrode the reinforcement in concrete, hence can be effectively used in pre-stressed and pre-cast concrete industry.
- Can be effectively used in cold atmospheric conditions where reduction of set rate of concrete is very important.
- Specifically formulated to reduce water content and reduce set rate, both early and ultimate strength will be highly improved.
- Can be used both in PCC and RCC.
- Allows earlier release from precast moulds

TYPICAL APPLICATIONS

- Structural concrete
- Concrete blocks
- Paver blocks
- Concrete pipes
- Precast items
- Concreting in cold climate

TYPICAL CHARACTERISTICS

- Nature : single component, liquid
- Color : Clear to pale yellow low viscous liquid
- Relative Density at 25°C : 1.270 ± 0.02 gm./cc

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- pH value : 8.2
- Air entrainment : Approximately 1% additional air over control concrete mix
- Chloride Content : 0.2 % Max. According to IS 6925

SPECIFICATION COMPLIES

- IS: 9103 Accelerating admixture
- EN 934 PART 2
- ASTM: C - 494, Type - C

DIRECTIONS FOR USE

METHOD FOR USAGE

It can be used with all type of standard cements. It is compatible with all other Choksey Chemicals admixture in the same concrete mix. MASTERSPEED ANC-7 of required quantity should be added to part of gauging water before mixing with concrete made with remaining gauging water for better results. The concrete should be mixed for at least a minute after addition of Masterspeed ANC-7. Thus the admixture should be added to the concrete separately with the mixing water & should not be directly mixed together prior to addition.

DOSAGE

Ideal dosage range is from 0.5 liters to 1.2 liters for 50 kg bag of cement. The optimum dosage and compatibility of MASTERSPEED ANC-7 with the locally available material has to be ascertained by proper site trials using site raw materials. Because of variations in job conditions, concrete materials & climatic conditions dosage may vary in such cases, contact our CCPL technical service department. An overdose of this further accelerates the set rate of concrete but does not affect the ultimate strength of concrete. Add MASTERSPEED ANC-7 to mixing water and not to the dry cement. Mix it homogeneously. An overdose of MASTERSPEED ANC-7 leads to further acceleration of set rate of concrete.

Good curing practices should be maintained such as water spray wet hessian or curing with spray applied curing compounds. The use of our spray applied curing compounds products Mastercure RB2M & Mastercure WB2M will prevent the early water loss from the surface of the flat works such as pavements in dry, windy and hot climates.

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CLEANING OF TOOLS AND EQUIPMENTS

Tools and equipment's can be easily cleaned with water. Skin contact should be avoided as it is slightly acidic & seek medical advice.

STORAGE AND SHELF LIFE

Store the material cool and dry place (preferably at 30°C temp). Shelf life is one year when materials are stored in unopened containers as per recommended storage conditions.

Important: Reseal the container carefully after use and before disposal.

PACKING

1 liter, 5 liter, 20 liter & 200 liter containers as per requirements

PRECAUTIONS

- Do not mix with dry cement
- Add to mixing water only
- Stir well before use

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control, we would not hold ourselves responsible on its consequential non performance.