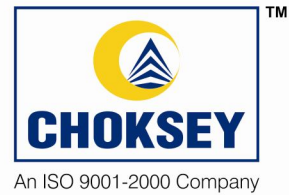


# □ MASTERSPEED RTD-6

Retarder for Cement Concrete and Mortars



## DESCRIPTION

**Masterspeed RTD-6** is a single component 'set retarding' admixture for cement concrete and mortar. It controls and extends the setting time of cement in concrete and mortar. It enables water requirement to be reduced for a given workability. It extends the setting time in proportion to the amount of admixture is used. It is based on lignosulphonates. Masterspeed RTD-6 disperses the cement particles in concrete mix to perform more effectively the initial hydration of cement are delayed resulting in a delayed setting time of concrete.

## FEATURES / ADVANTAGES

- It controls the rate of setting of concrete and mortars.
- It improves workability and easier handling.
- It improves finished appearance of hardened concrete.
- It increases strengths of concrete and mortar.
- It eliminates formation of cold joints between subsequent pours in mass or structural concrete.
- It is chloride free so it does not corrode the reinforcement.

## TYPICAL APPLICATIONS

- Masterspeed RTD-6 is particularly recommended for concreting in hot climates, or difficult pours, prestressed concrete in large sections or mass concreting
- It is used more specifically in Structural concrete, Bridge decks, Highway Concrete, Light weight concrete, Expansive concrete.
- Particularly suitable for use in mixes with low cohesion.

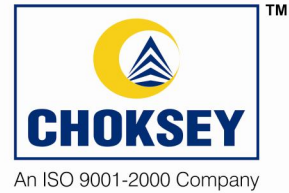
## TYPICAL CHARACTERISTICS

- Nature : single component, low viscous liquid
- Colour : Dark brown to yellowish
- Relative density at 25°C : 1.17±0.02gms/cc.
- pH value : Min. 6.
- Chloride content : Nil as per IS 6925.
- Air entrainment : Approximately 1% additional air over control concrete mix.

**Specification complies** : Indian standard specification IS:9103 Retarding  
: British standard specification BS : 5075 part 1  
: American standard testing materials ASTM-C-494, type B

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## **DIRECTIONS FOR USE**

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 RTD-6 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 atleast a minute after addition of Masterspeed RTD-6. Thus the admixture should be added to the concrete separately with the mixing water & should not be directly mixed together prior to addition. Contact the Choksey Chemical technical service department for advice.

## **DOSAGE**

Normal dosage range is 140ml to 250ml/50 kg. of cement. The optimum dosage and compatibility of the admixture with the locally available materials has to be ascertained by proper site trials. As an over dose of Masterspeed RTD-6 will give high retardation but ultimate strength will not be reduced

Masterspeed RTD-6 should be added to sand or mixing (gauging) water. It should not be added to dry cement. For addition of Masterspeed RTD-6 a dispenser or exact measuring container is recommended. Stir well before use.

## **CLEANING OF TOOLS AND EQUIPMENTS**

Tools and equipments can be easily cleaned with water.

## **STORAGE AND SHELF LIFE**

Store the material in cool and dry place (25°C. Temp. & 50% RH). Shelf life is one year.

It will freeze at freezing (thawing) temperatures but can be reconstituted by stirring.

## **PACKING**

1ltr. 5ltr. 20ltr. 200ltr.

## **PRECAUTIONS**

- Do not mix with dry cement.
- Add to mixing (gauging) water or directly to the mix.
- Stir well before use.