

Technical Data Sheet

PRIME RAPID AC-908 Accelerating Admixture for Cement Concrete and Mortars

SHOOLIN

DESCRIPTION

Prime Rapid AC-908 is a liquid accelerating admixture for cement concrete & mortar. It is designed to accelerate the normal setting time of concrete. It increases early strengths of concrete & mortars. It improves the physical & engineering properties of concrete such as workability. Compressive and flexural strengths. It densifies the concrete and reduces the permeability. In situations where there is a embedded steel or RCC or where high alumina cement is used or where steam curing is employed in such cases Prime Rapid AC-908 should not be used.

ADVANTAGES

- Prevent the delay of construction jobs in cold weather.
- Reduces initial setting time of concrete.
- Increases strength of concrete and mortar.
- Improves workability of the concrete.
- It densifies the concrete and mortar.
- It provides high early strength for fast demolding from framework.
- Allows earlier release from precast moulds.
- Non toxic.

CHARACTERSTICS

- **Nature:** Single component, liquid.
- **Color:** Off white color.
- **Relative density at 25°C:** 1.250 ±0.02 gms/c.c
- **pH Value:** Min. 6.

ENGINEERING DATA

Specification complies:

- IS: 9103 Accelerating admixture
- BS: 5075 PART 1
- ASTM: C – 494, Type – C

TYPICAL APPLICATIONS

- Structural concrete
- Concrete blocks
- Concrete pipes
- Precast items
- Cold weather masonry work fourse in stucco, brick laying, block sand clay tiles laying mortars.

DIRECTIONS FOR USE

METHOD OF USAGE

It can be used with all type of standard cements. It is compatible with all other Shoolin Chemicals admixture in the same concrete mix. Prime Rapid AC-908 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 Prime Rapid AC-908 . Thus the admixture should be added to the concrete separately with the mixing water & should not be directly mixed together prior to addition.

DOSAGE

For accelerating from 00C. to 150 C. Add 800cc per 50kg. Bag of cement to the concrete. Dose may be increased or decreased depending upon the acceleration needed at the site or any other special job conditions for temperatures above 150C. reduce the dose to half quantity add Prime Rapid AC-908 to mixing water and not to the dry cement. Mix it homogeneously. Concrete should be discharged from truck within 1 hour.

The optimum dosage and compatibility of Prime Rapid AC-908 with the locally available materials 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. An overdose of this further accelerates the set rate of concrete but does not affect the ultimate strength of concrete.

PACKING

- 1 L, 5 L, 20 L & 200 L containers as per requirements

CLEANING OF TOOLS AND EQUIPMENTS

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

PRECAUTION

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

SHELF LIFE & STORAGE

- Store the material cool and dry place (25°C. Temp). Shelf life is one year when materials are stored in unopened containers as per recommended storage conditions.
- Important: Reseal container carefully after use and before disposal.

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.

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