



Regd. No.: 118690/070/071

**REDATA Pvt. Ltd.**  
Group of Companies

## MARKSPEED ACL50

(HIGH ACCELERATING ADMIXTURE FOR CEMENT CONCRETE AND MORTARS)



### DESCRIPTION

MARKSPEED ACL-50 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. MARKSPEED ACL-50 is a chloride free product

### USES

- Structural Concrete
- Concrete Blocks
- Concrete Pipes.
- Precast Items
- Cold weather masonry work for use in stucco, brick laying, blocks and clay tiles laying mortars

### 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 de moulding from framework
- Allows earlier release from precast moulds
- Non Toxic

### SPECIFICATION COMPILES

- IS 9103 Accelerating Admixture
- BS 5075 Part 1
- ASTM : C-494, Type C

### TYPICAL CHARACTERSTICS

Appearance	Transparent to light yellow
Nature	Single component liquid
Density	1.25 ± 0.02g/cc
pH Value	6 ± 1
Chlorides Content	< 0.1 %

### DIRECTIONS FOR USE

METHOD OF USAGE: It can be used with all type of standard cements. It is compatible with all other MarkChem Chemicals admixture in the same concrete mix. MARKSPEED ACL-50 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 MARKSPEED ACL-50. 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 0°C. To 35°C add 300g 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



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35°C reduce the dose to half quantity Add MARKSPEED ACL-50 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 MARKSPEED ACL-50 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, contact our technical service department.

An overdose of this further accelerates the setrate of concrete but does not affect the ultimate strength of concrete. Good curing practices should be maintained such as water spray wet hessian or curing with spray applied curing compounds

### PACKAGING

50Kg, 250 Kg Barrel, 1000Kg IBC Tank

### PRECAUTIONS

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

### SHELF LIFE

12 months shelf life if stored in undamaged and unopened, original sealed containers, protected from direct sunlight and frost, at temperatures between +5°C and +30°C.

### PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

### 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.