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INNOVATING FOR A BETTER WORLD

**ACCELERATING ADMIXTURE**



## BLOCKFAST AC100

Accelerating admixture for unreinforced cement concrete/mortar

### Description

BLOCKFAST AC 100 is chloride based concrete accelerator and is supplied as a brown liquid. When added to cementitious mixes it accelerates hydration and enables the water content to perform more efficiently by dispersing agglomerated cement particles. This further improves strength by enabling water reduction to be made at constant workability. Where there is embedded or pre stressed steel.

### Advantages

- Allows continued placing of concrete at low temperatures.
- Gives additional frost protection by reducing the low water content and accelerating hydration of cement
- Enables earlier release from precast moulds thus speeding production
- Reduces the water content of concrete or mortar without loss of workability
- Reduces segregation and increases density and compressive strength
- Accelerates the hardening of floors and screeds

### Uses

- To early strip of form work
- To get rapid strength development
- Gives better finish to surface
- Precast concrete works
- All types of low and high rise buildings

### Standard Confirm

- IS 9103:1999

### Standard Compliance

- BS 5075 Part 1 ASTM C1141, Type C

## Technical Information

PROPERTIES	RESULTS
Appearance	Clear brown free flowing thin liquid
Sp. Gravity	1.35 to 1.37 @25°C
pH Value	7 to 8
Chloride Content	Nil

## Method of Application

- BLOCKFAST AC 100 dosage ratio depends on mix design and site specification requirements, recommended dosage as a guideline 0.6 to 2 % volume by weight of cement.

This in turn leads to a series of associated benefits

- **Enhanced durability:** BLOCKFAST AC 100 reduces the permeability and increases the resistance to weathering and enhances the durability.
- **Workability:** The addition of BLOCKFAST AC 100 without reduction of the water content increases the slump and significantly improves concrete flow characteristics without decrease in concrete strength.
- **Compressive strength:** BLOCKFAST AC 100 reduces demand of water in concrete mix which ultimately increases compressive strength and produce durable concrete.

## Over dosing

- Overdosing will give increase acceleration and workability. Entrained air may increase slightly.

## Curing

- Normal good curing practice should be adopted.

## Packaging

- BLOCKFAST AC 100 is supplied in 250 Kg drums. .

## Storage

- Minimum of 24 months shelf-life if kept under room temperature (i.e. 27°C).

## For selection of admixture

- As per your project please visit our smart store in [www.redwop.net](http://www.redwop.net)

**Note:** All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary according to trials and quality of material availability.

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