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INNOVATING FOR A BETTER WORLD

**ACCELERATING ADMIXTURE**



# BLOCKFAST AN

Accelerator admixture

## Description

BLOCKFAST AN is a chloride free accelerating admixture based on a combination of format and nitrite salts. It is supplied as a straw colored solution that instantly disperses in water. BLOCKFAST AN accelerates the early stages of cement hydration, producing a more rapid stiffening and allowing strength gain to commence at an earlier stage. This effect is particularly noticeable at low temperatures and is most significant in the first 24 hours after mixing.

## Advantages

- Particularly effective in assisting to offset the delaying effect of low temperatures on setting and strength gain
- Accelerated setting gives added protection against early age frost attack
- It provides a degree of water reduction or increased workability
- Suitable for use in bricklaying mortar
- Chloride free, safe for use in RCC

## Uses

- To accelerate the stiffening and early strength gain of Portland cement concrete and mortar
- In applications that include concrete or mortar placed in cold weather and precast concrete
- All types of low and high rise buildings

## Standard Confirm

- IS 9103:1999

## Standard Compliance

- BS 5075 Part 1 ASTM C1141, Type C

## Method of Application

- BLOCKFAST AN dosage ratio depends on mix design and site specification requirements, recommended dosage as a guideline 0.6 to 1.5 % volume by weight of cement.

## Technical Information

PROPERTIES	RESULTS
Appearance	Straw colored free flowing thin liquid
Sp. Gravity	1.25 to 1.30 @20°C
pH Value	7 to 8
Chloride Content	Nil
Air entrained	Typically <1% additional air at normal dosage
Alkali content	Typically <155g Na <sub>2</sub> O equivalent/liter

### This in turn leads to a series of associated benefits

- **Enhanced durability:** BLOCKFAST AN has no detrimental effect on the protection given to embedded steel by the alkalinity of cement and is safe for use as an accelerator insituations where chloride containing admixtures cannot be used.
- **Workability:** The addition of BLOCKFAST AN without reduction of the water content increases the slump and significantly improves concrete flow characteristics without decrease in concrete strength.
- **Compressive strength:** BLOCKFAST AN reduces demand of water in concrete mix which ultimately increases compressive strength and produce durable concrete.

## Over dosing

- An overdose of double the intended amount of BLOCKFAST AN may result in increased acceleration. In common with other accelerators this may slightly reduce the ultimate strength of the concrete.
- Testing has shown no detrimental effect on embedded steel even at four times overdose.

## Curing

- Normal good curing practice should be adopted.

## Packaging

- BLOCKFAST AN is supplied in 220 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 trails and quality of material availability.

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