

# Admix multi 250

ADMIXTURES & CONCRETE  
RELATED PRODUCTS

## MULTIFUNCTIONAL CONCRETE ADMIXTURE

### PRODUCT

Admix multi 250 is an effective multifunctional concrete liquid admixture based on calcium nitrate specially designed to regulate the setting of concrete, enhance strength development, provide protection against freezing temperatures and protect the reinforcing steel in concrete from chloride induced corrosion.

Admix multi 250 is compatible with all Portland cement, supplementary cementitious materials, and conventional plasticizer - super-plasticizer admixtures.

### PROPERTIES

- Inhibitor against chloride induced corrosion of steel.
- Set accelerator
- Counteraction of retardation by plasticizers while maintaining rheology of the concrete mix
- Long term strength enhancer
- Anti-freeze admixture or winter concreting admixture

### SCOPE OF USE

Admix multi 250 is recommended for all areas of use of concrete in the ready-mix, precast & manufactured concrete products industry:

- Parking structures
- Marine structures
- Bridges
- Balconies where chloride salts are presents
- Concrete streets and highways
- Concrete exposed to corrosive environments
- Restoration and repair of all reinforced concrete
- Cold-weather concreting
- Heavy or light prefabrication
- Admixture to dry-mix
- Shotcrete

### CHARACTERISTICS

Appearance	Liquid (transparent)
Specific gravity at 25°C	1.285 ± 0.03
Non Volatile Content	30 ± 2%
Chloride content	NIL- BS 5075/EN 934-2
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### STANDARDS

BS EN 934-2  
ASTM C1582

### INSTRUCTIONS FOR USE

Admix multi 250 should be dispensed after all concrete constituents are charged in the central mixer.

Admix multi 250 can be added to the mixing water. Never mix concrete when the aggregates are frozen. In cold weather the proportion of cement must not be lower than 300 kg/m<sup>3</sup>.

If other admixtures are to be used in concrete containing Admix multi 250, they must be dispensed separately.

### DOSAGE RATES

Range of dosage rates & applications:

- Corrosion inhibiting properties from 3% to 5% by weight of cementitious content (it is directly related to expected chloride concentration)
- Antifreeze properties from 0.5% to 1% by weight of cementitious content
- Early strength enhancement properties from 0.5% to 1.5% by weight of cementitious content
- Counteracting the retardation of concrete from 0.25% to 0.75% by weight of cementitious content
- Set acceleration properties from 1% to 2% by weight of cementitious content
- Slip forming rate optimized by 0.25 % by weight of cementitious content.

Dosage above the recommended values can be employed. Still, the required dosage for a specific job with controlled properties in setting, strength and workability should be determined by in-situ trials.

Admixture demand varies with w/b of the concrete, cement type, pozzolanic materials and ambient temperature.

Trials are to be conducted prior to use in order to determine required performance, including workability retention, setting, and strength development.

### PACKAGING

Admix multi 250 is supplied in 20 liters pails, 200 liter drums and 1000 liters totes.

### STORAGE

Admix multi 250 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

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## HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation.

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention.

If swallowed, do not induce vomiting and seek medical attention.

## QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

## DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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