

# Admix CR 152

ADMIXTURES & CONCRETE  
RELATED PRODUCTS

## High Performance Retarding / Plasticizing Admixture

### PRODUCT

**Admix CR 152** is a high performance retarding admixture developed to maintain high workability retention and to increase the initial and final setting times of concrete especially in high ambient temperature (hot weather concrete).

### PROPERTIES

#### Admix CR 152:

- Allows extra time for concrete casting in mass structures and densely reinforced structural elements, thus reducing the risk of cold joint development.
- Improves surface finish and minimizes early development of plastic shrinkage cracking.
- Increases the ultimate strength of the concrete.

### SCOPE OF USE

**Admix CR 152** is ideal to use in hot weather conditions where slump retention over time is important for transport and placement of concrete.

- Transported concrete
- General reinforced concrete
- Ready-mix concrete
- Heavy prefabrication
- Pumped concrete
- Concrete piling

### CHARACTERISTICS

Appearance	Liquid
Color	Light yellowish
Specific gravity at 20°C	1.103 - 1.108
Chloride content	Zero to BS 5075
Air entrainment	Up to 1% depending on the dosage and mix design

### APPLICABLE STANDARDS

**Admix CR 152** complies with:

ASTM C 494 Type B  
BS 5075 Part – 1, BS EN 934, Part 2.

### INSTRUCTION FOR USE

**Admix CR 152** is totally miscible in water. It is to be added to the concrete mix during the mixing cycle at the same time as the water. No extension to normal mixing time is required.

### DOSAGE

Trials should be conducted to determine the optimum dosage of **Admix CR 152** for a particular mix. A dosage of 150 to 350 ml per 100 kg of cementitious materials is recommended. This may be changed to higher dosage in high ambient and mix temperature conditions.

### EFFECTS OF OVER DOSING

A severe over dose of **Admix CR 152** will result in the following:

- Delay of the initial and final set
- Increase in workability

Providing it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than of the normal concrete without **Admix CR 152**.

### COMPATIBILITY

**Admix CR 152** can be used in all types of portland and sulfate-resisting cements and concrete with cementitious materials used as cement replacement. **Admix CR 152** should be dispensed directly into the mixer and should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing **Admix CR 152**, they must be dispensed separately. Consult the company's technical dept. for advice.

### SPECIFICATION CLAUSE

**Admix CR 152**, a retarding concrete admixture manufactured to the following specification:

**Admix CR 152** can be used in all concrete mixes as mentioned, at dosage between 150 and 350 ml per 100 kg of cementitious materials in accordance with the manufacturer's instructions.

### DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment. Such equipment can be supplied by the company.

### PACKAGING

**Admix CR 152** is supplied in:

Bulk, barrels.

Storage tanks can be provided for bulk use.

### STORAGE

**Admix CR 152** can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

### 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

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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.

## NOTE

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