

# FIBCON RTD

## Set Retarding Admixture

### DESCRIPTION

Fibcon RTD is a synthetically produced liquid water-reducing and set retarding admixture for concrete. It is a modified hydroxylated carboxylic acid FIBCON RTD does not contain calcium chloride or other potential corroding materials and may be used in the presence of aluminum or zinc embedments. FIBCON RTD may be used at varying dosage rates to achieve extended set times compared to a control mix of up to 30 hours. Extended set times are frequently needed on bridge decks where the added dead weight of the concrete will cause deflection and a lack of bond to reinforcement and excessive cracking.

### AREAS OF APPLICATION

- Prestressed concrete.
- Concrete requiring water reducing and set time control

### FEATURES & BENEFITS

#### FEATURES & BENEFITS

- Controls rate of set
- Improves finish ability
- Improves workability
- Reduces water requirements & speed up construction
- Reduces segregation & bleeding

#### Hardened Concrete

- Increases strengths
- Improves finished appearance
- Reduces cracking
- Reduces permeability
- Non staining

### SPECIFICATIONS & COMPLIANCES

Fibcon RTD meets or exceeds the requirements of:

- ASTM C-494, Type B & D
- CSA Standard CAN3 A266.2 - M78
- IS-9103-1999

### DOSAGE

Normally 0.4 to 1% by weight. It is advisable to carry out trial to establish the exact optimal dosage rate depending upon extend of retardation required.

### APPLICATION METHODOLOGY

Add FIBCON RTD to the dosing water. It should not come into contact with dry cement.

#### DOSING

Charge all concrete material in the proper order into the mixer with about 70% of the mixing water and mix for three minutes. Add the remaining quantity of water with admixture to obtain the required slump and mix for three additional minutes.



## TECHNICAL SPECIFICATIONS

---

Physical Appearance	:	Amber Brown liquid
Specific Gravity	:	1.13 - 1.19
pH Value	:	7 - 8 (As per IS 9103 - 1999)
Chloride Content	:	0.2% max. (As per IS 9103 - 1999)

## PRECAUTIONS

---

- Care should be taken to maintain FIBCON RTD above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated
- Add to mix independent of other admixtures.

## STORAGE

---

One year in original packing. Store in a cool,dry place.

## PACKAGING

---

FIBCON RTD is packaged in 20 Ltr drums or 5 ltr Jerry cans.

**WARRANTY** : Fibrex Construction chemicals Pvt.Ltd ("Fibrex") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Fibrex, no other representations or statements made by Fibrex or its representatives, in writing or orally, shall alter this warranty. FIBREX MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Fibrex product fails to conform with this warranty Fibrex will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Fibrex does not authorize anyone on its behalf to make any written or oral statements which in any way alter Fibrex's installation information or instructions in its product literature or on its packaging labels. Any installation of Fibrex products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Fibrex's products for the Buyer's intended purposes.