

# FIBCON 87/n

## Water Reducer - Superplasticizer

### DESCRIPTION

Fibcon 87/n is a high range water reducing admixture based on modified Lignosulphonate product. It may be added to the concrete at the job site or at the ready mix concrete plant. No chloride are used in its formulation, consequently, it is recommended for prestressed concrete. It produces self compacting concrete and can also be used to produce water-proofed concrete.

### AREAS OF APPLICATION

- High performance concrete
- Highly slump, flowable concrete
- General ready mix concrete
- Minimum water content concrete.
- Heavily reinforced concrete
- Low water/Cement ratio concrete
- Flatwork and mass concrete
- Pumping concrete
- All types of wet shotcrete application

### FEATURES & BENEFITS

- Produces low water cement ratio
- Aids in concrete placement and reduces labour cost.
- Substantial improvement in workability without increased water or the risk of segregation.
- Remarkable increase in both early and ultimate strengths.
- Long term slump retention.
- No excessive air entrainment.
- Improved durability, density and impermeability with better surface finish.
- Early deshuttering.
- Produces dense concrete and hence improves waterproofing characteristics.

### DOSAGE

0.4% - 2 % by weight of cement, however for special applications Fibcon 87/n can be used upto 3% by weight cement. Appropriate dosage is dependent on the type of effect sought, aggregate quality, quality & quantity of cement, sand grading, w/c ratio, ambient temperature & humidity, etc. so it is better to carry out trial mixes before determining the dose.

### APPLICATION METHODOLOGY

Add Fibcon 87/n 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 rest quantity of water with admixture to obtain the required slump and mix for three additional minutes. Use Fibcon 87/n at the rate of 0.4% to 2 % by weight of cement.

### SPECIFICATIONS & COMPLIANCES

Fully complies with the requirements of IS 9103 & ASTM C-494 Type A & F admixtures.



FIBREX CONSTRUCTION CHEMICALS PVT. LTD.

Plot No. 73, First Floor, New DLF Industrial Area, Faridabad-121003, Phone: 0129-4081412, Fax-0129-4113488 Email: sales@fibrexchem.com. Website: www.fibrexchem.com

## TECHNICAL SPECIFICATIONS

---

FIBCON WR® meets or exceeds the requirements of IS 9103 & ASTM C - 494 Type A admixture

## TECHNICAL SPECIFICATIONS

---

The following results were developed under laboratory conditions.

|                     |   |  |
|---------------------|---|--|
| Physical Appearance | : | Amber Brown liquid   |
| Specific Gravity    | : | 1.18 + 0.02  |
| PH Value            | : | 7 - 8  |
| Chloride Content    | : | Nil (As per IS 456 )   |
| Shelf Life          | : | One Year when un-opened.   |
| Workability         | : | Fibcon 87/n can be used to produce collapsed slump without reducing water content. |

## COMPATIBILITY

---

It is compatible with all types of Portland Cement including SRC (Sulphate Resistance Cement) and not compatible with high alumina cement.

## PACKAGING

---

Fibcon 87/n is packed in 20 Litre and 200 Litre drums.

**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.