



# ETHER CHEMICALS

*Reliability In Every Formulation*

## **ETHER SUPER 4000**

A sulphonated naphthalene formaldehyde based super plasticising and workability admixture for high quality concrete.

### **DESCRIPTION**

ETHER SUPER 4000 is based on super plasticising synthetic polymers. It may be dispensed at dosages varying between 0.5 to 2 per cent by weight of cement depending upon type of concrete required.

### **PRIMARY USES**

- ETHER SUPER 4000 is recommended in all medium to high grade concrete, which has a cement content of over 250 kg/m<sup>3</sup>.
- ETHER SUPER 4000 help to control of bleed resulting from poor grading of fine aggregate in the concrete mix.
- ETHER SUPER 4000 is used in hot/cold weather concreting with maintaining of dosage of product as per site requirement.
- ETHER SUPER 4000 is recommended on site concrete as well as in RMC plant where 60 to 120 min. retention time is required.
- ETHER SUPER 4000 is recommended in M-15 to M-40 grade in normal concrete as well as pump-able concrete
- ETHER SUPER 4000 is also recommended on site concrete in bridge, road, highrise buildings as well as in foundation concrete where onsite concreting is happening.



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## **ADVANTAGES**

- ETHER SUPER 4000 produces good concrete with most kinds of aggregates and varying fine aggregates.
- ETHER SUPER 4000 helps in production of high quality concrete which exhibits superior compressive, tensile and flexural strengths and exhibits excellent resistance to chloride and sulphide attacks on concrete.
- ETHER SUPER 4000 is compatible with all types of cements including pozzolanic and fly ash / slag cements.
- ETHER SUPER 4000 helps to control segregation and bleed in concrete resulting from poor fine aggregate grading.

## **DIRECTIONS FOR USE**

- ETHER SUPER 4000 should be added to the mix along with water.
- Addition ETHER SUPER 4000 to the dry mix or dry cement should be avoided.
- During long transits of concrete fifty per cent of the recommended dosage of ETHER SUPER 4000 can be added at the batching plant and the remaining fifty per cent at site just before pouring.

## **TECHNICAL DATA**

PROPERTIES	SPECIFICATION
Appearance	Dark Brown Colour Liquid
Specific gravity	1.210 - ± 0.02
Chloride Content As per IS 9103	Less than 0.2%
Ph	6 - 8



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## **PACKING**

ETHER SUPER 4000 is available in 250 kg HDPE drum and 10000kg tanker.

## **SHELF LIFE**

ETHER SUPER 4000 has a shelf life of 12 months from the date of manufacturer's original drums. ETHER SUPER 4000 should be stored in a place where temperature does not drop below + 10°C. If the product is frozen, thaw at + 30°C and agitate until completely reconstituted. Shake well before use.

## **DISCLAIMER**

**ETHER CHEMICALS** warrants that all products are free from any defects of manufactured and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of use because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of **ETHER CHEMICALS**. Purchaser agrees to seek the advice of qualified professionals to carry out tests and take trials to determine the suitability of products for their intended purpose prior to full scale usage of **ETHER CHEMICALS** products and assumes all risks.

The company does not assume any liability for unsatisfactory results, arising from the use of our products. Purchaser's sole liability is limited to replacement of product or refund of the purchase price paid if any product proven defective. No other warranties express or implied, shall apply including any warranty of merchantability or fitness for particular purpose.

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