

## **HI-PCE HR50**

(High Water Reducing, High Retention PCE for making Polycarboxylate based Admixtures)

### **DESCRIPTION**

HI- PCE HR50 is a Polycarboxylate ether for making polycarboxylate based super plasticizers has excellent water reduction, good flow-ability and High retardation. It shows high efficiency at low dosage rates. It is designed as 50% solid contents for the economical transportation cost saving.

### **USES**

- High fluidity at low water levels
- Retain the slump longer time
- Excellent water reducing by dispersing effect
- Low stickiness concrete

### **ADVANTAGES**

- Extended Slump Life
- High compressive strength by low w/c ratio
- Most Cost effective
- Increase Flowability
- Reduce Bleeding at High slump
- Higher durability
- Cohesive and Monolithic concrete

### **PACKING**

HI-PCE HR 50 is packed in 225 kg plastic containers.

### **TECHNICAL DATA**

Color	: Pale Color
Form	: Liquid
Odor	: Characteristic
Contents	: 50%
Specific gravity	: 1.10-1.12@25°C
pH Value	: 6.0 - 7.5
Chloride	: Nil

### **DOSAGE**

**HI-PCE HR 50** has a recommended dosage range of 0.25 ~ 0.9 litres/100 kgs of binders on a basis of undiluted solution. It is well-soluble in water and we recommend to dilute it as your application. The optimum dosage of **HI-PCE HR 50** may depend on specific requirements of concrete properties and materials. So, it is determined by trials using the materials and conditions. To achieve either higher water reduction or longer retention, you may blend with other PCE which has its specific properties. **HI-PCE HR 50** is compatible with Ligno base plasticizer. Do not use blending with SNF base superplasticizer.

### **STORAGE**

Stored in tightly sealed containers at room temperature. Shelf life of properly stored material is one year from the date of manufacture.

### **STANDARD COMPLIANCE**

HI-PCE HR 50 complies with IS 9103-1999(2007)

**This Product is Formulated and Labeled and Commercial use only**

For Best Results and Safest Usage, User is Specialty Directed to Consult.

Product Warranty: All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, HIBOND warrants its products to be free of mfg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HIBOND'S directions and tested in HIBOND'S standards. HIBOND'S facility is limited to replacement of material found to be defective. As HIBOND has no control over the use to which others may put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our information is valid in particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, applications and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.