



## VITCON 9001 PCE

High Performance Polycarboxylate Ether based Superplasticiser

### DESCRIPTION

VITCON 9001 PCE has been primarily developed for applications in the ready mixed and precast concrete industries where the highest durability and performance is required.

VITCON 9001PCE conforms to specification prescribed in IS 9103 - 1999 and ASTM C494 Types A and F.

### TECHNICAL DATA

Colour	Light Brown
Form	Viscous Liquid
Specific Gravity at 30 °C	1.12 ± 0.02
Chloride Content	Nil

### APPLICATION

VITCON 9001 PCE is especially suitable for the production of concrete mixes which require high early strength development, powerful water reduction and excellent flowability.

- Ready mix concrete
- Self compacting concrete and precast concrete
- Fast track concrete
- In situ concrete requiring fast stripping time

### ADVANTAGES

- Pronounced increase in the early strength development, resulting in very economical stripping times for precast and in situ concrete
- Extremely powerful water reduction, resulting in high density, high strength and reduced permeability for water
- Excellent plasticizing effect, resulting in improved flowability, placing and compacting behavior
- Improved shrinkage and creep behavior
- It does not contain chlorides or other ingredients promoting corrosion of steel reinforcement. It is therefore suitable for reinforced and pre stressed steel.



- It is compatible with all types of Portland cements that meet recognized international standards. Always conduct trial before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

### **APPLICATION METHODOLOGY**

- Add VITCON 9001 PCE to the dosing water. It should not come into contact with dry cement.
- Charge all concrete material in the proper order into the mixer with about 70 % of the mixing water and mix for the three minutes. Add rest quantity of water with admixture to obtain the required slump and mix for three addition minutes further.
- Forms for walls or narrow sections must be watertight, strong and must have good bracing. During the “flowing period” the concrete will exert a higher pressure at the base of the form than conventional concrete. Form work for slabs is the same as for conventional concrete.

### **DOSAGE**

Generally 0.3 –1.5 % by weight of cement. Do not allow overdosing. Due to overdosing setting time will be extended rigorously. It is advisable to carry out a trial to establish the exact and optimal dosage rate depending upon set retardation required.

### **HEALTH & SAFETY**

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application

### **PACKAGING**

Available 20 kg, 250 kg HDPE drums and bulk Tanker

### **STORAGE**

Must be stored in original packing, in ambient temperature, dry place under shed. Protect from direct sunlight.

### **SHELF LIFE**

9 months in original sealed condition under appropriate storing conditions.

