

# TECHNICAL DATA SHEET



## SUPLAST PC 200

(Blended PC based super plasticiser cum slump retainer for concrete upto M50)

*V-CON Suplast PC 200 is a superplasticizer for free flowing concrete in floors, slabs, foundations, slender components with dense reinforcement, walls and columns and other structural elements. It is full-range water-reducing admixture which is based on the next generation of polycarboxylate technology. Concrete produced with V-CON Suplast PC 200 admixture achieves good strength after initial slump retention and also strikes the perfect balance between workability retention and setting characteristics in order to provide efficiency in placing and finishing concrete.*

### AREA OF APPLICATION:



Ready mixed concrete



Precast concrete



Pre stressed concrete



Pumped concrete

### FEATURES & BENEFITS:

- Faster turnover of forms due to accelerated early strength development
- Used in fast track construction
- Reduces finishing labour costs due to optimized set times
- Minimizes the need for slump adjustments at the job site

### EASY TO APPLY:

- V-CON Suplast PC 200 can be added into the mixing water or directly into the concrete mixer after 50-70% of the mixing water has been added
- The addition of V-CON Suplast PC 200 to dry aggregate or cement is not recommended
- To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 120 seconds is recommended

# TECHNICAL SPECIFICATIONS AS PER ISO 9001: 2015

Colour : Dark brown liquid

Chemical base : Aqueous solution of modified poly carboxylate

State : Liquid

Density : 1.04 to 1.06 g/cm<sup>3</sup>

Chloride content : <1%

pH : 6-7

## TEST DONE ON GRADE OF CONCRETE M 35 :-

Mix	Dosage per bag of cement	Water : Cement ratio	Slump in mm	Slump in mm		
				30 min	60 min	90 min
Control	0.0	0.50	70	38.0	27.0	10.0
V-CON PC 200	0.300 kgs	0.50	collapse	150	125	110
V-CON PC 200	0.300 kgs	0.40	130	120	105	90

## SAFETY PRECAUTIONS:

V-CON Suplast PC 200 is non-toxic. However, splashes on the skin should be washed well with water and if contact with eye occurs, wash well with water and seek medical advice.



### PACKAGING:

250 kgs HDPE drum



### SHELF LIFE:

12 months in original packing if stored at room temperature i.e. 25° C



### DOSAGE:

300 gms per bag of cement or 0.4 to 1.5% per bag of cement



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