



MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals



## MCON SRP 100

**HIGH RANGE WATER REDUCING & SLUMP  
RETAINING ADMIXTURE**

### **Product Description :-**

**MCON SRP 100 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 MCON SRP 100 admixture achieves good strength after initial slump retention. MCON SRP 100 admixture also strikes the perfect balance between workability retention and setting characteristics in order to provide efficiency in placing and finishing concrete.**





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## Areas of Application :-

- ✓ High Early strength concrete upto M 45 Grade
- ✓ Ready mixed concrete
- ✓ Precast concrete
- ✓ Pre stressed concrete
- ✓ Pumped concrete



## Features & Benefits :-

- ✓ Improved dispersion properties.
- ✓ High water reduction..
- ✓ Improved durability.
- ✓ Reduces finishing labor costs due to optimized set times.
- ✓ Faster turnover of forms due to accelerated early strength development.
- ✓ Used in fast track construction.
- ✓ Minimizes the need for slump adjustments at the jobsite.



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## Method of Application :-

MCON SRP 100 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 MCON SRP 100 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 Information :-

Properties	Values
Colour	Light Brown Liquid
Chemical Base	Aqueous Solution of modified Poly Carboxylate
State	Liquid
Density	$1.15 \pm 0.03 \text{ g/cm}^3$
Chloride Content	<1%
Shelf life	Approx. 1 year from date of production if stored properly



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## Test done on Grade of Concrete M 35 :-

Mix	Dosage per bag of cement MCON SRP 100	Water:Cement Ratio	Slump in mm	Slump in mm		
				30 mins	60 mins	90 mins
Control	0	0.50	70	38.0	27.0	10.0
MCON SRP 100	0.300 kgs	0.50	Collapse	150	125	110
MCON SRP 100	0.300 kgs.	0.40	130	120	105	90

### Dosage :-

0.4% to 1.5% to the weight of Cementitious content



### Health & Safety :-

MCON SRP 100 is non-toxic. However, splashes on the skin should be washed well with water and in contact with eye occurs, wash well with water and seek medical advice.

### Packing :-

250 kgs. drum

*\*(Mcon Rasayan has maintained the highest level of Quality and Consistency by following Systems is certified as an ISO 9001 : 2015, ISO 14001:2015 & ISO 18001:2015 Company.)*

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