



VITCON 9001 HG

High Range Water Reducing / Superplasticizing Admixture

DESCRIPTION

VITCON 9001 HG is a high range water reducer /superplasticiser admixture formulated specially to extend the working time of concrete. It is based on Sulphonated Napthalene Formaldehyde. VITCON 9001 HG conforms to specification prescribed in IS 9103 - 1999 & ASTM C 494, Type G .

TECHNICAL DATA

Colour	Amber Brown
Form	Liquid
Specific Gravity	1.24 ± 0.02
Chloride Content	< 0.2%

USAGE

VITCON 9001 HG is a unique multipurpose high range water reducer /superplasticizer that is particularly suitable for the production of ready mixed concrete. Additionally it provides high water reduction and improved fresh concrete characteristics.

VITCON 9001 is used for the following applications:

- High performance concrete
- Ready mix concrete
- Flowing concrete
- Heavily reinforced concrete
- Pumpable concrete

ADVANTAGES

- Produces flowing concrete with controlled delay of slumps loss and workability
- Water reduction 12% & above can be obtained
- Reduces cracking and permeability of hardened concrete
- Reduces segregation and bleeding in the plastic concrete
- Significantly reduces concrete placement time and cost
- Enable transport of concrete to distant places



APPLICATION METHODOLOGY

- Add VITCON 9001 HG 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.
- 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.
- Compatible with all types of cement.

DOSAGE

Generally 0.3 – 2.5 % by weight of cement. Do not allow over dosing. Due to overdosing setting time will be extended rigorously. It is advisable to carry out a trial to establish the exact & optimal dosage rate depending upon set retardation required.

HEALTH & SAFETY

- VITCON 9001 HG is non toxic, non flammable and non hazardous.
- Any splashes on the skin should be washed immediately with water.
- Splashes on the eyes should be washed immediately with water and seek medical advice.

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

12 months in original sealed condition under appropriate storing conditions.

