



VITCON 9001 HP

High Range Water Reducing Plasticizer

DESCRIPTION

VITCON 9001 HG is a high range water reducing admixture based on modified Naphthalene sulphonate product. It may be added to the concrete at the job site or at the ready mix concrete plant. It produces self compacting concrete and can also be used to produce water proofed concrete. VITCON 9001 HP conforms to specification prescribed in IS 9103 - 1999 & ASTM C 494, Type A & F.

TECHNICAL DATA

Colour	Amber Brown
Form	Liquid
Specific Gravity	1.15 ± 0.02
Chloride Content	Nil

USAGE

- High performance concrete
- Ready mix concrete
- High slump, flowable concrete
- Heavily reinforced concrete
- Pumpable concrete

ADVANTAGES

- Produces low water cement ratio
- Aids in concrete placement and reduces labour cost
- Substantial improvement in workability without increased water or the risk of segregation
- Remarkable increase in both early and ultimate strengths
- Improved durability and impermeability with better surface finish
- Produces dense concrete and hence improves waterproofing characteristics



APPLICATION METHODOLOGY

- Add VITCON 9001 HP 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.
- 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.
- VITCON 9001 HP is compatible with other admixture; however each admixture should be added to the mix separately.
- Compatible with all types of cement.

DOSAGE

Generally 0.4 – 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 HP 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.

