

VARASET NO 1

DESCRIPTION

VARASET NO 1 is an ideal concrete hardening admixture in liquid form and it is used to harden and waterproof concrete, cement-sand plaster, floor topping, etc.

USES

VARASET NO 1 is used as a rapid concrete hardener for Roads, Pavement, Industrial Floors, etc. It is also used as a quick setting agent for construction of water storage tanks, roads, floor slabs, where frame work to be removed quickly, maintenance and restorative works. **VARASET NO 1** can also be used as a waterproofing agent. As a waterproofer, it is used in basements, flats, plastering walls, reservoirs, etc.

ADVANTAGES

- ◆ Setting time of concrete can be reduced by increasing the dosage used
- ◆ It increases plasticity of fresh concrete or mortar.
- ◆ It has no long term deleterious effect on normal concrete.
- ◆ **VARASET NO 1** makes the concrete dense and protect concrete from many forms of chemical attack .

TECHNICAL DATA

- ◆ **Appearance** – Transparent free flowing liquid
- ◆ **Setting time** – Setting time decreases as dosage increases
- ◆ **pH Value** >6
- ◆ **Specific Gravity** 1.19+/- 02
- ◆ **Wear resistance** Increase as dosage of **VARASET NO 1** increases
- ◆ **Normal Dosage** 4-6 Litres per 100 kg of cement
- ◆ **Shelf Life** 12 months

INSTRUCTIONS FOR USE

When **VARASET NO 1** diluted with an equal amount of water and is used as mixing water for mortar or concrete, it sets within 10-20 minutes. Normally recommended dosage of **VARASET NO 1** is (1-4) litres for every 100 kg of cement used in the mix for every hardening of concrete/mortar. The actual dosage has to be determined by trials depending upon the specific requirements and quality of cement, moisture content of the aggregates, composition of the mix, and amount of water used and climatic temperature.

For Interior Renderings

Provide three layers for waterproofing of pits and basements using cement and sand in 1:2 ratio. Provide sufficient overlap on the joints of preceding layer. Before starting work on consecutive days the edges should be well primed with cement-water slurry.

For Exterior Renderings

Prefer a three layers treatment in stead of two layer treatment. The first layer should be laid by using cement and sand in 1:2 ratio. Subsequent layers should be mixed in ratio of 1:3.

For Floor Toppings

4 litres of **VARASET NO 1** must be used for 100 kg cement. Dilute **VARASET NO 1** water in the ratio 1:4. Use this diluted **VARASET NO 1** as finishing the top surface. Mature the topping wet, by keeping covered with wet Hessian cloth or saw dust or by watering a intervals for five or six days.

TECHNICAL SUPPORT

"AKARSH" provides technical support service on mix design, admixture selection, evaluation of trials, dispensing equipment etc. Please contact the Technical Department in these cases.



PACKAGING

VARASET NO 1 is supplied in 200 Ltr drums.

Cleaning : Spillages of VARASET NO 1 can be removed with water

Storage : **VARASET NO 1** should be protected from extremes of temperature. Should the material become frozen, it must be completely thawed and thoroughly mixed before use. **VARASET NO 1** has a minimum shelf life of 12 months provided temperature is kept within the range 5° C to 30° C.

HEALTH & SAFETY

VARASET NO 1 is non-toxic. Any splashes to the skin should be washed immediately with water. Splashes to the eyes should be washed immediately with water and medical advice should be sought.

Fire : **VARASET NO 1** is non flammable.