



VITCON 9013 LSA

Liquid Set Accelerator for Shotcrete

DESCRIPTION

VITCON 9013 LSA is a liquid set accelerator used to produce shotcrete. The product has a multiple applications like acceleration in setting, increasing workability at low W/C ratios and improving cohesion to the surface. **VITCON 9013 LSA** is chloride free and made up of polymers compatible with all shotcrete mix designs in any part of the country.

ADVANTAGES

Shotcrete with **VITCON 9013 LSA** sets in 2-3 minutes depending upon the dosage, thus ensuring the shotcrete quickly secured in place.

- ✓ Increase cohesiveness of shotcrete to the substrate on addition of **VITCON 9013 LSA** restricts the rebound losses in shotcreting to less than 6%.
- ✓ **VITCON 9013 LSA** helps in achieving thicker layer of shotcrete in single shot operation there by enabling more shortcreting in lesser time.
- ✓ Reduced rebound wastage, increased productivity and reduced direct placing costs contribute heavily to achieve economics.

USAGE

VITCON 9013 LSA is generally dosed @ 2 - 6% by weight of cement directly at shotcreting water pump. It is always advisable to conduct site trials to optimize the dosage. **VITCON 9013 LSA** is compatible with our VITCON range of superplasticizer, which are added to the shotcrete for slump retention.

APPLICATION

As **VITCON 9013 LSA** is dosed at the shotcrete gun nozzle in the wet shotcreting process, it immediately accelerates the shotcrete setting and aids in forming an even layer on the surface with or without steel reinforcement. At the same time it enhances the hardening thus giving high early strength it reduces rebound losses thereby helping techno-economics.

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SPECIFICATIONS

Appearance	: Milky white liquid
Sp. Gravity	: 1.20 ± 0.02
pH Value	: 10 – 12
Chloride content	: Nil
Air content	: < 1%
Shelf life	: 12 months
Storage	: Under shade

PACKAGING

VITCON 9013 LSA is available in 35 / 100 / 200 Kg. Drums.

SAFETY

VITCON 9013 LSA is non-flammable. However, any splash should be washed out immediately with water.