B&B Specialities (INDIA) Private Limited.

"The Specialty Chemical Company"

HI-PLAST SCA

(High Performance, Alkali-Free Shotcrete Accelerator.)

DESCRIPTION

Hi Plast-SCA is a liquid, high performance accelerator specifically engineered to give high early and ultimate compressive strengths in shotcrete applications. This liquid accelerator blends easily and completely and can be injected directly at the shotcrete nozzle, permitting low dosages (3% --7% by weight of cement).

USES

Hi Plast-SCA is suitable for both wet and dry applications and has been specifically designed for securing and stabilizing rock and slopes in tunnel and subway construction, Mines, Soil stabilization, and Bridge Repairs.

ADVANTAGES

- Alkali free.
- Quick setting and achieves high early strength.
- Provides excellent bonding characteristics.
- Improves compressive strength of shotcrete.
- Provides superior performance on wet ground and at low temperatures.
- Powerful enough for multiple, thick sprayed linings
- Effective at low doses

SAFETY

During use, avoid contact with the skin and eyes. Wear protective gloves and eye protection when handling the product. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

TECHNICAL DATA

Appearance	: Clear, Amber liquid
Form	: Liquid dispersion
Odor	: Odorless
Specific Gravity	: 1.30 ± 0.02
pH Value@ 23ºC	: Approx 3.0
Chloride Content	: 0.01% or less

DIRECTIONS

Surface preparation

Ensure the surface is clean and free from loose material. For optimum bonding, dampen the surface with high pressure water prior to application.

Dosage

The dosage rate of Hi Plast-SCA will vary depending on application temperature conditions, required thickness, the quality of cement used, and target early strength development and setting time. Hi Plast- SCA is generally dosed at rates ranging from 3% to 7% by weight of cement.

APPLICATION

Hi- Plast-SCA is added through the shotcrete nozzle. Ensure the dosing pump, hoses and other components are thoroughly cleaned with water both before and after use. Failure to do so could cause pump blockage and/or breakdown.

STORAGE

Temperature: Store the product in a cool, dry place with a temperature range of 5°C to 35°C (41°F to 95°F). Avoid exposure to direct sunlight or extreme heat.

The product has a shelf life of 12 months from the date of manufacture.

Humidity: Protect the product from excessive humidity and moisture. Keep the containers tightly sealed to prevent the entry of moisture, as it can affect the performance of the admixture.

STANDARD COMPLIANCE

HI-PLAST SCA complies with **IS 9103 1999(2018).**

This Product is Formulated and Labeled and Commercial use only

For Best Results and Safest Usage, User is Specialty Directed to Consult.

Product Warranty: All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, HIBOND warrants its products to be free of mfg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HIBOND'S directions and tested in HIBOND'S standards. HIBOND'S facility is limited to replacement of material found to be defective. As HIBOND has no control over the use to which others may put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our information is valid in particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, applications and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.