

ShaliCure[®] AL SB

Aluminised Solvent Based Curing Compound



STP Limited

Description

ShaliCure[®] AL SB is ready to use, aluminised, synthetic resin-based curing compound for the prevention of premature water loss from concrete.

ShaliCure[®] AL SB is sprayed on to the newly laid concrete surfaces to form a thin barrier against premature water loss. Without disturbance to the normal setting action the concrete is then allowed to cure and achieve maximum properties.

ShaliCure[®] AL SB conforms to ASTM C-309.81, Type 2 and BS 7542.

Characteristics

Colour	Metallic Aluminium	Theoretical Coverage*, L / m ²	0.300 to 0.375
Density, kg / L	0.81 ± 0.05	Drying Time, @ 25 °C, hrs	2
Spreading rate* 300 ± 50 gm / m ² , water retention efficiency index, %		BS 7542	> 90

* Depending upon surface condition.

Application

- Highways.
- Runways / Taxi ways / Aprons.
- Retaining walls / columns / roofs / decks.
- Canals, dams, water channels and other water retaining structure.
- All concrete structure like retaining walls, columns, roofs.
- Other concrete floors.

Advantages

- Provides membrane to arrest premature water loss.
- Reduces dusting.
- Increases frost resistance.
- Helps to minimize spalling of exterior concrete.

Application Methodology

➤ Surface Preparation

- The concrete surface must be clean and free of standing water. Remove any sealer or other material that may prevent absorption of the **ShaliCure AL SB**.

➤ Material Preparation

- Stir **ShaliCure[®] AL SB** by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix.

➤ Application of Material

- Start the spray application only after initial set of concrete i.e when green concrete is just moist.
- Apply **ShaliCure[®] AL SB** by spray with a pressure of 50 – 60 psi spray machine.
- After application the area must be protected from rain for at least 2 – 3 hrs.
- Allow **ShaliCure[®] AL SB** to dry 4-6 hrs before exposure to traffic.

- For best cure of freshly placed concrete, apply **ShaliCure® AL SB** as soon as possible after finishing operations and / or immediately after the disappearance of the “sheen” of surface moisture.
- **Do not apply**
 - To concrete surfaces at ambient temperature below 4 °C. Warm material to a minimum temperature of 10 °C before use.
 - Over bleed water or free-standing water.

➤ **Precautions**

- **Mixing water is totally prohibited.**
- In case of change over from Water Based to Solvent Based, the application equipment including intermediary storage tank, must be thoroughly cleaned by STP Thinner to prevent any clogging.

Cleaning & Maintenance

- Clean tools and equipment with **STP Thinner** before the material hardens.
- Do not use water to clean any tool or equipment.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 200 L drum.

Storage

Store in a cool dry place under shed away from heat.

Shelf Life

6 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing & Insulation
- Road Surfacing
- Sealants & Adhesives
- Pipeline Coatings
- Protective/Anti-Corrosion Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Other Construction Chemicals



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