

ShaliCure®AL SB 10

Hydrocarbon Resin and Solvent Based Curing Compound



STP Limited

Description

ShaliCure® AL SB 10 is ready to use, aluminized, hydrocarbon resin based, solvent containing liquid curing compound which dries to a silver film on application. When first applied to a fresh cementitious surface, the product forms a continuous, non-penetrating coating. This coating dries to form a continuous film which provides a barrier to moisture loss ensuring more efficient cement hydration, improved durability and reduced shrinkage.

Approvals/Standards

ASTM C 309-81/ BS 7542

Product Information

Form, Colour	Silver coloured liquid.
Handling & Storage	The material must be stored in a shaded area with no exposure to sunlight and UV. The containers should be protected from all sources of heat and ignition. Protect from freezing.
Packaging	Available in 200 L sealed drum.
Shelf Life	6 months when stored in unopened sealed conditions away from heat and sunlight at 5 to 40°C.
Handling Precautions	The material is flammable and so do not expose to naked flames or other sources of ignition. The disposal of excess of waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority. In case of contact with human skin wash with soap and water. Seek medical assistance immediately in case of any allergy.

Technical Characteristics at 27°C, 55% RH

Property	Method	Result
Density, gm / cc		0.94 ± 0.01
Drying time, hours		1 - 2
B4 Cup Viscosity, seconds		15 ± 2
Coverage, m ² / L / coat **		3 - 5
Water retention efficiency index, %	BS 7542	90 - 91

** Due to wastage factors and the variety and nature of possible substrates, practical coverage figures will vary.

All values given are subject to 5-10% tolerance

Field of Application

ShaliCure®AL SB 10 is particularly useful in large areas of exposed concrete such as:

- Highways, runways and taxiways
- Hard standing areas
- Roof decks
- Retaining walls
- Pre-stressed beams and piers
- Bridge decks, etc.

Advantages

- Application by hand or power-driven equipment - saves time, labour and money
- Effective in all conditions of humidity and temperature
- Eliminates the need for damp hessian, sand or polythene
- Enables concrete to hydrate more efficiently
- Increases concrete strength and dusting resistance
- Reduces surface shrinkage and cracking

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 10**.

➤ **Material Preparation**

- **ShaliCure® AL SB 10** should be stirred before use to ensure dispersion of settled material.

➤ **Application of Material**

- **ShaliCure® AL SB 10** should be spray applied to the surface of fresh concrete. Application should begin as soon as the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface.
- The spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray. After spraying, no further application of water or other material is necessary to ensure continued curing.
- The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be walked on before it is fully dry and care should be taken to ensure that the film is not broken.
- **ShaliCure® AL SB 10** may also be applied to the surface of newly hardened concrete immediately after demoulding. In such cases the concrete surface should be sprayed with water to saturate it prior to the application of **ShaliCure® AL SB 10**. Dry surfaces may prevent correct film formation and cause absorption of the **ShaliCure® AL SB 10** which may lead to staining and difficulty in later removal.
- After application of **ShaliCure® AL SB 10**, the area must be protected from rain for at least 3 hours.
- **ShaliCure® AL SB 10** needs to be removed from a concrete surface before application of a subsequent coating.

Precautions

- The suitability of equipment should be ensured by an application trial.
- **ShaliCure® AL SB 10** is generally not compatible with after trades. Any subsequent treatments will require the removal of **ShaliCure® AL SB 10** using mechanical means.
- Do not brush onto soft, wet concrete or render surfaces which will be disturbed and thus prevent formation of the curing film.
- **Mixing water or solvent is totally prohibited.**
- Regular cleaning of spray equipment, especially the nozzle is recommended.
- **ShaliCure® AL SB 10** should only be used on surfaces exposed to normal weathering which will cause the eventual disintegration of the membrane.
- Disintegration of the membrane will depend on many factors such as consumption rate, UV exposure, surface absorption, etc. As a guide, this process will take approximately 5 weeks.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health & Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- 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.

Cleaning & Maintenance

Clean all tools immediately after use with STP Thinner only.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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