

ShaliCure® PA

Paraffin Based Concrete Curing Compound



Description

ShaliCure® PA is a liquid, membrane forming curing compound for concrete. It protects new concrete and reduces cracking, spalling and flaking on the surface. It is non-flammable paraffin – emulsion.

It conforms to ASTM C 309, Types 1 & 1D, Class B.

Characteristics - Physical

Physical Appearance	Milky white liquid	Theoretical Coverage, m ² /L *	• Textured Concrete • Smooth Concrete	4.9 – 7.4 7.4 – 8.6
Drying time, hr	< 1			
pH	5 ± 1	Specific Gravity		0.98 ± 0.02
Solid Content, %	13 ± 1			

* Depending upon surface condition.

Characteristics - Technical

Property	Test Method	Result
Moisture Loss, kg / m ² , 72 hr	ASTM C 156	< 0.55
Water retention, kg / m ² , loss of water @ 72 hrs)	ASTM C 156	0.35
Reflectance test, %	ASTM E 1347	> 40
Flash Point, °C	ASTM D 56	> 10
VOC Content, %	ASTM D 3960	< 15

Application

- Interior and exterior concrete.
- Curing compound for fresh concrete.
- Sealing old concrete.

Advantages

- Provides a transparent curing film for new concrete.
- Compatible with many paints, adhesives and resilient floor coverings.
- Seals concrete surfaces to protect from effects of weathering.
- Helps eliminate dusting and hardens concrete surface by promoting proper cement hydration.
- Resistant to yellowing.

Application Methodology

➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease or other loose foreign particles by sand blasting / iron brush / compressed air.
- Ensure that concrete surface must be clean and free of standing water.
- Remove any sealer or other material that may prevent absorption of the **ShaliCure® PA**.

➤ Material Preparation

- Requires no pre-blending and should be used directly from the container.

➤ Application of Material

- Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held “pump-up” sprayer or with an airless industrial sprayer.
- If roller applied, use a short napped, solvent resistant sleeve.
- Allow the product to dry 4-6 hrs before exposure to traffic.
- Do not apply to concrete surfaces at ambient temperature below 4 °C. Warm material to a minimum temperature of 10 °C before use.
- Do not apply over bleed water or free standing water.
- Do not apply over concrete to receive concrete toppings, epoxy, or urethane based coatings or adhesives.
- For best cure of green concrete, apply **ShaliCure® PA** as soon as possible after finishing operations and / or immediately after the disappearance of the “sheen” of surface moisture.
- When applying on old concrete, the surface must be clean and dry. Remove contaminants and stains such as waxes, grease and oil with strong soaps or caustics rather than acids. Badly worn or porous areas may need a second application to attain a uniform seal and surface gloss. **ShaliCure® PA** may be placed on top of a previous coat of the same product. The surface must be clean and dry for proper adhesion.

Cleaning & Maintenance

Clean tools and equipment with water before the material hardens

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 20 L & 200 L drum.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



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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