

ULTRACURE 40

Acrylic Resin Based, High Performance Curing Compound

Description

ULTRACURE 40 is a high efficiency, acrylic resin based non-degrading curing and sealing compound, transparent or white pigmented. It is ready-to-apply, non-yellowing low viscosity formulated from special ingredients that effectively cures and seal for optimum moisture retention to produces hard, dense and high-comprehensive strength concrete.

ULTRACURE 40 will minimize hair as well as premature cracking, dusting, spilling and other common defects that result when concrete is not properly cured. It is easy-to-use, compound dries quickly and protects the concrete during construction.

Features & Benefits

- High curing efficiency (90%)
- Creates a dust free, hard wearing surface.
- Minimize surface drying cracks and shrinkage.
- Eliminates the need for curing water.
- Non degrading, act as primer.
- Abrasion resistance
- Improves uniform hydration
- Resistant to bacterial generation
- Reduce chloride penetration and improves surface chemical resistance.
- High durability.

Uses

ULTRACURE 40 is used as an effective and economical curing agent compared to the traditional Hessian, water and polythene curing system. It is suitable for all types of concrete surfaces.

ULTRACURE 40 is ideal for application on commercial and industrial concrete surfaces, sidewalks, patios, multilevel parking decks, airport runways and hard standing areas, parking areas, ports and wherever simultaneous cure and seal exterior concrete surfaces are required. The use of **ULTRACURE 40** on any interior and exterior concrete surface provides a durable, long-

lasting finish that has improved resistance to chemicals, oil, grease, deicing salts and abrasion.

Technical Properties

Appearance	Solvent based Liquid
Density	800-850 Kg/m ³
Flash point	35 °C
Drying time	2 hours @ 25 °C
Curing Efficiency	90%
Water Retention	Pass
Chloride resistance	Excellent

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM C309. Type 1 & 2 class B
- BS 7542, BS 8110 Pt. 1
- BS 6920

Application Instructions:

Carefully stir the container before use. **ULTRACURE 40** has been designed for spray application to the newly laid concrete. A thin film of **ULTRACURE 40** is applied to the whole surface using a hand operated spray gun. Surface should be free of water. In case of horizontal surfaces, the product should be applied as soon the bleed water has evaporated from the surface. In the case of formed concrete, **ULTRACURE 40** should be applied immediately on removal of the formwork.

Apply **ULTRACURE 40** with a rate of 4.5-5.5 m² per Ltr. In certain cases, especially during high temperature or windy seasons, rate of application might be increased. Consult SBI Technical Department for recommendation.

When using **ULTRACURE 40** for floor areas where maximum chemical and wear resistance are required, it is recommended to apply a second coat after 24 hours.

After application, do not spray water or any other material, allow product to cure without disturbance.

Avoid compaction or vibration activities close to the treated areas as this will break the integrity of the curing film.

Subsequent surface finishes:

ULTRACURE 40 is an acrylic resin that ensure bond is maintained with adhesives used for installing floor tiles and other floor covering. Also it will act as primer for paint systems such as PVA, acrylic co-polymer, epoxy & polyurethane, polysulfides and bitumen solutions.

Coverage

Coverage rate 4.5 to 5.5 m² per Ltr

Packaging

ULTRACURE 40 is available in 20 & 200 Lt drums.

Cleaning

Clean the used equipment and tools with Solvent 10.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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