

Shieldcoat AS100

High Quality, Acrylic Sealer and Topcoat



Description

Shieldcoat AS100 is a ready-to-use, acrylic sealer and topcoat based on methyl methacrylate resin, formulated to protect concrete and cement-based surfaces and enhance durability by creating a transparent, semi-glossy film and protective layer.

Uses

- Interior and exterior applications.
- Cement-based terrazzo surfaces.
- Industrial, commercial, and residential applications.
- Parking lots and garages.
- High traffic walkways.
- Food processing areas.
- Warehouses and storage facilities.

Characteristics / Advantages

- Easy to apply by brush, roller or sprayer.
- Dustproof.
- Forms a water-repellent film unaffected by water, and freeze/thaw cycles.
- Excellent adhesion to cement-based substrates.
- Forms flexible and semi-glossy finish.
- Durable and resistant to UV and weathering conditions.

Shelf Life and Storage

Shieldcoat AS100 has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Packaging

Shieldcoat AS100 is supplied in 5 and 18-L jerrycans.

Typical Properties

Appearance / Color	Transparent liquid
Specific Gravity @ 23°C	0.92 ± 0.01
Solid Content	20 – 25%
Drying Time @ 23°C	<u>Tack-free Time</u> : 30 minutes <u>Recoating Time</u> : 2 – 3 hours
Substrate/ Application Temperature	+10 to +35 °C
Full Cure @ 23°C	7 days

Application Instructions

1. Surface Preparation

The substrate must be cured and free from dust, loose materials, surface contamination, and materials that may reduce bond or prevent adhesion.

2. Mixing

Shieldcoat AS100 should be stirred prior to use, to ensure a homogenous liquid.

3. Application

Apply the first coat evenly onto the surface using a suitable tool such as a brush, roller, or low-pressure airbrush (sprayer).

Allow the first coat to dry before overcoating (2 - 3 hours at normal conditions) and apply the second coat to provide a higher level of protection.

4. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

5. Curing

Curing is not normally necessary but freshly applied material should be protected from rain until becomes dry.

Limitations

- Do not apply the product if the ambient temperature is less than 10°C.
- Do not apply **Shieldcoat AS100** on frozen surfaces, asphalt, or vitrified bases.
- Hot weather practices should be adopted during application and curing if the temperature is above 35°C. In hot conditions, store the material in a cool environment prior to use.

Consumption

Approximately 0.22 – 0.25 kg/m² but may vary due to site wastage and substrate condition/profile.

Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear. For further information, refer to the Material Safety Data Sheet.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

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