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SHIMICOAT
SURFACE SOLUTIONS



High Gloss Concrete Sealer

Description

High Gloss Concrete Sealer HG300 is an Acrylic emulsion to produce a hard, flexible, petrol resistant coating. High Gloss Concrete Sealer HG300 is recommended for a wide variety of functional, decorative and protective concrete surfaces. It has excellent resistance to water, alkalis and commercial grades of petroleum and hydraulic fluids, making this resin ideal for use on variety of concrete and brick floors and tile surfaces. High Gloss Concrete Sealer HG300 provides an attractive finish for new and old concrete which is durable surface, ideal for pedestrian and vehicle traffics. SHIMICOAT Concrete Sealer are available in High Gloss, Matt and Tinted Finishes. Tinted sealers are available in most Australian Standard colours AS2700 consisting of 206 colours, to brighten up and flourish any boring look concrete surface. Ideal for most surfaces with strong bonding:



- Exposed Aggregate
- Limestone
- Grey Concrete
- Decorative Concrete
- Tiles
- All Pavers
- Timber Surfaces
- Metal and Artworks

Features

- Easy Application:
 - Rolled
 - Brushed
 - Sprayed
- Fast Drying
- Easily Recoated
- Non-Yellowing and resistant to discoloration
- Ideal for Indoor and Outdoor
- Ready-to-use formulation without any need for dilution
- Contains advanced polymer technology to penetrate deep into surface
- Protect against waterborne contaminants
- Protect against salt ion ingress
- Protect against efflorescence, biological growth
- Excellent resistance to oil and most household chemicals
- Excellent resistance to water
- Excellent resistance to alkalis and high pH conditions
- Produces a hard, yet flexible clear film
- Excellent resistance to weathering
- Provides excellent adhesion, weather and water proofing protection
- Forms a hard-wearing surface
- Solvent Based, deeper penetration
- Ready to Use. No mixing required
- Last 5 years, depending on traffic

Colour Chart

Transparent Clear Liquid.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

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Coverage

20Lt Drum covers 50sqm (Two Coats)
5sqm Per Liter – Per Coat

Applications

- Roller, Brush or Spray.
- Penetrating Sealer
- Ideal for porous surfaces
- Tiles, Bricks & Pavers, Limestone, Concrete, Washed & Exposed Aggregates, Timber Surfaces
- Ideal for both indoor and outdoor surfaces
- Minimum two coats

Dry Time at 25°C

Touch Dry: 2-3 Hours (Depending on temperature, air flow and humidity)
 Recoat: 3 Hours
 Foot Traffic: 6 Hours
 Heavy Traffic: 24-48 Hours

Clean Up

Clean up soon after completion using Thinner & Diluent (Blend of Solvents)

Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash
 Acid-wash to enhanced surface porosity and etch the surface. Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry. Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion.

For further information, please refer to SHIMICOAT Instruction for “Surface Preparations”

Specifications

Physical Properties:

Appearance	Single Pack Clear Resin
Solid Content (%)	25 ± 1 Acrylate
VOC	80% (Flammable Liquid)
Thinning, Dilution Chemicals	25% (Max) First Coat
Recommended Film Build	40-80 Microns per coat (Dry)
Application Conditions (Temp °C)	10 – 30 °C
Coverage Rate	5 sqm/L/Coat - (20Lt/100sqm/Coat), Min 2 coats

Harsh Chemical Spill Remediation:

Chemical Spillage	Recommended Remediation
Mineral Turpentine	Slight Softening (Re-harden within 8 hours) Spot-touch EpoSeal Diluent – Reapply Concrete Sealer
Methylated Spirit	May cause white discoloration <i>(Use EpoSeal Diluent TO remove and reapply Re-apply Concrete Sealer)</i>
Brake Fluid	Softening and slight localized dulling effect Clean with detergent and EpoSeal Diluent
Alkaline, Bleach and high pH Fluid	No Visual Effect
Salts and Brine (NaCl and Seawater)	No Visual Effect
Petrol and Hydrocarbon Fluid	Slight Softening (Re-harden within 8 hours) Spot-touch EpoSeal Diluent – Re-apply Concrete Sealer

Direction

- High Gloss Concrete Sealer HG300 can be applied by a suitable solvent resistant roller or suitable sprayer. To apply sealer, pour sealer into a roller tray, and evenly roll onto surface.
- Ensure sealer is not applied too thick and no pooling occurs. Roll slowly to ensure no cobweb effect is taking place.
- First coat of SHIMI SEAL – High Gloss Concrete Sealer should be diluted with 20% SHIMI THINNER and Let to dry completely (minimum of 24 hours).
- Second coat shall be applied when the first coat is completely dry (minimum 24 hours), this will ensure sufficient film build-up to provide maximum performance and durability.
- To obtain a non-slip floor and lowered slip factor, it is recommended to use the appropriate Slip Reducing Additive with the sealer for better grip under adverse conditions such as wet areas, food processing plants, steep slopes and pool surrounding areas. For further details please contact Shimicoat Sales and Technical Representative or refer to Shimicoat bulletin and website.

High Gloss Concrete Sealer HG300 shall be used at ~5 sqm per liter, per coat. A typical 20Lt container is enough for two coat applications of 50 sqm floor. There may be some variations due to the porosity of the concrete floor. Upon completion of the coating, it takes almost one (1.0) hour for the surface to be tack-free and touch-dry. It takes over 4 hours to cure and ok to walk on it. Please allow 48 hours to be fully cured and ok to drive over it.

Warning:

- Please consult MSDS of the product prior to use.
- High Gloss Concrete Sealer HG300 contains highly volatile and flammable solvent liquid and extra care must be taken when using and applying the product.
- Ensure adequate ventilation at all times while applying the product. Keep doors and windows open.
- Ensure no naked flame in the area of the application as the vapor is highly volatile and can be ignited in near flames.
- Do Not Apply if rain is expected within 24 hours, when applying outdoor

Storage

The products shall be stored out of direct sunlight and heat at all times. The shelf life of the product is 24 months, mix uniformly for 3 minutes prior to use.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.