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SHIMICOAT
SURFACE SOLUTIONS



Aqua Seal

Description

SHIMICOAT Aqua Seal Concrete Sealer is a blend of acrylic based self cross linking polymeric dispersions containing coalescing agents and surfactants to be used as interior or exterior sealer for concrete and cementitious surfaces. The product is a single pack and easy to apply. It is engineered to penetrate through concrete surfaces and adhere to produce a neutral clear low sheen coating, which is hard-wearing and durable. Aqua Seal Concrete Sealer is a clear penetrating Sealer, solvent-free and fast drying sealer to provide a natural look appearance of original surface.

Ideal for most surfaces

- Exposed Aggregate
- Limestone
- Grey Concrete
- Decorative Concrete
- Tiles
- All Pavers
- Timber Surfaces
- Polished Concrete

Features

- Easy Application:
 - Rolled
 - Brushed
 - Sprayed
- Non Hazardous – Non Dangerous Goods technology
- Fast Drying
- Excellent Clarity
- 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 Aqua Seal contaminates
- 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
- Long lasting and Durable
- Excellent adhesion
- Clear & Colourless
- Provides excellent adhesion, weather and water proofing protection
- Forms a hard-wearing surface
- Last up to 5 years, depending on the traffic

Colour Chart

Milky White Liquid.



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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 with Water

Wash, rinse and flush with water. General purpose detergent can be used.

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 Cloudy/Opaque Medium Viscosity Resin
Solid Content (%)	50 ± 1.0 Acrylate
VOC	Nil – Environmentally Benign Product
Thinning, Dilution Chemicals	Water Soluble
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
pH	8-9

Direction

SHIMICOAT Aqua Seal Concrete Sealer is normally applied as two coats on new or old concrete. Care must be taken not to apply thick coats as excessive build may cause the film to blush when subjected to ponding.

- SHIMICOAT Aqua Seal Concrete Sealer can be applied by a suitable microfiber roller or 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 uniformity.
- First coat of SHIMICOAT Aqua Seal Concrete Sealer can be diluted with 10% water and Let to dry completely (minimum of 24hours).
- Second coat shall be applied neat, 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.

SHIMICOAT Aqua Seal Concrete Sealer shall be used at ~5 sqm per liter, per coat (5sqm/Lt/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.
- 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.