



ALCOLIN PROTECTIVE TOP COAT

Description

Alcolin Protective Top Coat is a UV resistant, non-yellowing, self-crosslinking single component water based acrylic coating that cures to a hard wearing, abrasion resistant and chemical resistant gloss finish that is easy to clean, making it ideal for sealing of cementitious and water based epoxy floors in interior and exterior applications in high traffic areas such as warehouses, factory and residential garage floors. Alcolin Protective Top Coat can be used in conjunction with Alcolin Epoxy Floor Paint as it provides an additional transparent protective coating. It also provides an excellent final wearing surface for cement-based screeds and self levelling screeds such as Alcolin Z100 and Z101.



Features & Benefits

- Pure acrylic - UV resistant and non-yellowing.
- High alkaline resistance - Suitable for application onto cementitious surfaces.
- Single component - self crosslinking, easy to apply.
- Abrasion resistant - improves floor durability.
- Gloss finish - improves floor aesthetics and washability
- Hard wearing - reduced black heel marks and hot tire pick up resistance.

Applications

Alcolin Protective Top Coat is suitable as a protective top coat for water based epoxy floor paints, cement-based screeds and self levelling screeds to improve abrasion resistance and chemical resistance. It is ideal for sealing of floors in interior and exterior application in high traffic areas such as warehouse and factory floors, indoor parking facilities, residential garage floors, dairies and milking parlors, and many other light commercial and industrial maintenance applications. Note : application over cement floor may enhance or darken surface slightly.

Adhesion

Bonds to a variety of substrates such as freshly painted water based epoxy floor paints, masonry, concrete, damp concrete, metal and stone.

Limitations

- Not suitable for use over dimensionally unstable flooring i.e. vinyl and wood flooring.
- Not suitable for use in areas subject to rising damp.
- Not suitable as a coat for solvent based and solvent free epoxy systems.
- Do not apply in temperatures below 5°C or above 35°C.

Safety instructions

Alcolin Protective Top Coat is non-toxic, however, it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Keep out of reach of children! Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

Surface preparation

- Site conditions should comply with the latest SABS Standards editions: SABS 021 (Code of Practice for the Waterproofing of Buildings including damp-proofing and vapour barrier installation), SANS 10109-2:2004 (Concrete Floors Part 2: Finishes to concrete floors).
- Surfaces must be firm and free of flaking paint, dust, mould oil, grease, wax polish and organic growth.
- When used as a top coat for water based epoxy paints the product should be applied within 24 hours of the setting of the epoxy paint to ensure best adhesion to the epoxy paint.
- **Smooth, hard surfaces** such as power floated and off shutter concrete, must acid etched or mechanically abraded prior to application to ensure a sound key for the paint.
- Acid etched surfaces must be neutralised with a solution of ammonia and water prior to application of the paint.
- **Friable and chalking surfaces** should be primed with a coat of Alcolin Permokey Slurry Kit and treated with at least a 3mm coating of Alcolin Z100 / Z101 floor screed.
- Dry surfaces should be lightly dampened with water prior to application of the paint.
- Surfaces must be free of standing water prior to application.

Directions for use

- Mix thoroughly before use but avoid air entrapment as this may affect the finish on drying.
- Apply with a suitable short hair mohair roller or paint brush. If entrapped air in the substrate causes foaming, continue rolling until this disappears.
- Roll to an even thickness, cross roll to avoid roller joint marks. Maintain a wet edge at all times and complete the entire floor in a single operation.
- Keep coats thin as thicker coats can result in delamination and will also take longer to dry.
- A second coat should only be applied once the first coat is touch dry.
- For high traffic areas, a third coat is recommended.
- The surface should be ready for traffic after 24 hours.

Cleaning

Tools can be cleaned with water and soap when the paint is still wet. Allow any unused product to set before discarding.

Storage stability

Alcolin Protective Top Coat has a shelf life of 12 months if stored in a cool dry place (below 25°C) in its original moisture-tight container. Ensure the container is closed to create an airtight environment when not in use. Do not allow the product to freeze.

Product packaging

5L bucket.

Product data

i. Physical data

Type	Water based self-crosslinking Acrylic
Appearance	Slightly milky/hazy mix (wet)
Density (g/cm ³)	Approx. 1.01
Viscosity (cps)	100-200
pH	8-9
Solids (%)	Approx. 25

ii. Application data

Touch Dry	Approx. 1-2 hours (25°C and 50% humidity)
Full Cure	24 hours
Overcoat time	Approx. 1-2 hours (touch dry)
Coverage/5L	Approx 30m ² depending on the nature of the surface. Porous surfaces will have a lower mileage on first coat application.
Recommended number of coats	2

iii. Product performance data

Hot Tire Pickup resistance	Very Good
Scratch Resistance EN 438-2 Sclerometer Tester	≥4N, Min Requirement 3N
Abrasion Resistance (Tauber)	Approx. 42,5mg loss/200 rounds/CS 10/1kg load
Gloss (60°)	Approx. 32 units
Chemical resistance (2x150um on fibre cement 7d @ RT)	Ethanol (48%) - 1h Ammonia (10%ig) - 1h Fatty acid - 1h Water - 16h Red wine - 16h Coffee (4%) - 16h Break fluid Dot 4 - 16h

The above information is only offered, as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.

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