

SOLIDKOTE PU CLEAR

Moisture Cured Polyurethane Sealer

Solidkote PU Clear is a single component (1K), moisture cured, aromatic polyurethane coating designed as a general purpose primer and sealer for concrete, metal and wood surfaces.

Solidkote PU Clear dries to a clear gloss finish with excellent physical properties such as chemical resistance, abrasion resistance and flexibility. It is the ideal protective coating system to protect almost any surface. Solidkote PU Clear will discolour with exposure to UV.

UNIQUE PRODUCT BENEFITS

- Improves the durability of concrete and wooden floors.
- Stops dusting and breakdown of the substrate.
- Protects against staining and chemical attack.
- Easy to apply.
- Attractive gloss finish.
- Makes cleaning very simple.
- Economic.

APPLICATIONS

- Commercial concrete floors found in factories, process areas, storehouses, warehouses.
- Anywhere that a concrete surface requires protection and sealing.
- All wood types requiring varnishing, protective sealing for an attractive finish.
- Metal surfaces associated with process environments to protect from corrosion and mechanical damage.

TECHNICAL DETAILS

Appearance	Amber clear liquid
Coverage	4 m ² / L (Concrete) 8 m ² / L (Wood)
Solids Content	50%
VOC	± 500 g / L
Touch Dry	1 to 3 hrs
Overcoat Time	3 to 5 hrs
Light Traffic	12 hrs
Full Cure	3 Days

PACKAGING

5 L or 25 L drums

WATCH POINTS

Measure the moisture level and ensure less than 5% is achieved before application. Ensure Relative Humidity is less than 50% ambient. Do not apply Solidkote PU Clear at temperatures above 30°C. Ensure adequate ventilation when using the product indoors.

STORAGE

Store between 6 to 12 months in original unopened packaging. Once opened, use all product and do not attempt to reseal drums as this product is moisture sensitive and will cure in its packaging.

**Leading manufactures of specialist epoxy and polyurethane flooring systems,
specialised construction and corrosion protection products.**

Distribution facilities nationwide

Western Cape

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PREPARATION

Concrete Floors

Surfaces to be coated should be clean, dry and free of dust, oils and other coatings including curing compounds and release agents. To ensure good penetration, lightly diamond grind the surface to remove any laitance and vacuum clean.

If necessary degrease the substrate using Liquid Action for stubborn soiling and allow to dry fully. For heavy soiling, degrease the surface using Prosolve and a rotary scrubbing machine. Rinse the surface thoroughly and vacuum with a wet-to-dry vacuum to accelerate the drying period. Perform a moisture test after degreasing to ensure the moisture is below 5%.

MIXING & APPLYING

Concrete

Open the packaging and gently stir using a flat paddle. Decant the product into paint trays. Apply the Solidkote PU Clear with a short mohair roller and roll out well. For best results, roll out maintaining the wet line and apply the subsequent coat at right angles (cross-hatch) to the previous coat to ensure a sealed surface.

The first coat should be left to dry for 3 to 5 hours, longer for very porous floors. Apply a further coat to obtain a uniform finish. Porous floors where the second coat has penetrated as well should be given a third coat to ensure uniformity. Brushes and rollers cannot be cleaned economically and it is best to discard them once each coat has been applied. Allow at least overnight cure before light traffic, heavier traffic after 3 days.

Wood

Wooden substrates should be well sanded to remove old varnish. Vacuum to remove all dust and sandings. Apply the first coat liberally to ensure good saturation using a good quality roller or lambswool applicator pad. Leave to cure overnight. Once hard cured, sand the floor by hand with 120-grit sand paper to remove any roughness and foreign dust. Apply a further coat or coats depending on the degree of protection required using a mohair roller or applicator pad. Allow 5 hours between coats.

Metal

Solidkote PU Clear may be used as a general protective coating onto metallic substrates. Prepare the steel surface using a wire brush fitted to a grinder to remove existing coatings as well as rust. Degrease if necessary using Phosbrite and rinse well. Allow to dry before applying Solidkote PU Clear by brush, roller or spray methods.

MAINTENANCE

Regular cleaning extends the service life of the Solidkote PU Clear coating. Maintenance is to be carried out using Liquid Action which complies with SANS 1344 Medium Duty Solvent Detergent (2112/P3325/10/ID).

HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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