

SOLIDKOTE PU

SINGLE PACK MOISTURE CURING POLYURETHANE COATING

DESCRIPTION

SOLIDKOTE PU is a tough, hard, single pack polyurethane coating with outstanding resistance to chemicals, abrasion and wear.

CHARACTERISTICS

- Flexible, glossy film finish with excellent stain and mar resistance.
- Economical, versatile, durable and attractive.
- Solidkote PU is easy to clean and maintain.
- Resistant to most chemicals, solvents, oil and grease.



BENEFITS

- Sealing and protecting properly prepared concrete floors from wear and dusting
- Excellent for heavy foot and vehicular traffic such as aisles, warehouse floors and ramps
- Excellent metal coating for corrosion prevention and maintenance of machinery
- Excellent in areas subject to chemical splash and spillage
- Self-priming with Excellent adhesion
- Good flexibility
- Substrate Versatility
- Economical
- Quick drying

TECHNICAL DETAILS

Appearance	Pigmented Liquid
Odour	Aromatic solvent
Solids Content	55%
Finish	Gloss
Coverage	5-8m ² /L (Depending on substrate porosity)
Cure Time	3-5 hours (Recoat)
	12 Hours (Light traffic)
	3 Day (Full chemical)
Flash Point	30°C
Application Conditions	5-30°C
Service Conditions	66°C (Continuous)
	82°C (Periodic)
Weathering	Not suitable for exterior use. Dicolours
Abrasion resistance	0.2g Taber Abrasion
Priming	Self-Priming
Thinning	Solidkote 503 PU Thinners
Packaging	5L & 25L Drums

SUBSTRATE REQUIREMENTS

- Surfaces to be coated should be well prepared by grinding, sanding or shot blasting.
- Substrates must be dry, clean, free of dust, oil and other coatings. Cleaning can be carried out using **LIQUID ACTION** or **SOLVEKLEEN WS** depending on the type of soiling.
- Metal surfaces may need to be etched using **PHOSETCH**.
- After cleaning, etching or degreasing allow to dry fully before coating.

APPLICATION

- Ensure that the coating is well mixed before proceeding, there can be some settlement in the base of the drum.
- Thinning may be required for the first coat to penetrate.
- This may be done only with Solidkote 503 PU thinners at no more than 15%.

BRUSH/ROLLER

- Apply using a mohair roller and roll out well using long strokes.
- The first coat should be left to dry for 3 – 5 hours, longer for very porous floors.
- Apply an additional 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.
- Apply each coat perpendicular to the previous coat to ensure uniform coverage.
- Allow at least overnight cure before light traffic, heavier traffic after 3 days.

Non-Skid type surface application will require inclusion of **SOLIDKOTE NON-SLIP** beads at a rate of 200g per 5L (max 500g / 5L). This is incorporated into the coating by stirring and then applied as normal with a mohair roller. Non-skid surfaces are usually left to the final top-coat.

AIR-/AIRLESS SPRAY

- Thin the product to between 0 - 3% or as needed.
- Thinner: Solidkote 503 PU Thinners
- Nozzle Orifice: 0.38-0.53mm
- Nozzle Pressure: 12-16MPa (120-160bar, 1740-2321 psi)

The following equipment has been found to be suitable for Solidkote PU spray.

Use a 10mm minimum I.D. Material Hose.

CONVENTIONAL		
Mfr. & Gun	Fluid Tip	Air Cap
Binks #18 or #62	63B	63PB
DeVilbiss P-MBC or JGA FX (Approx. .043 ID)		704
AIRLESS		
Mfr. & Gun	PUMP*	
DeVilbiss JGB-507	QFA-514	
Graco 205-591	President 30:1 or Bulldog 30:1	
Binks Model 500	Mercury 5C	

*Teflon packings are recommended and available from pump manufacturers.

PRECAUTIONS

- Do not apply Solidkote PU onto damp surfaces, the product is moisture curing and will result in an unsightly finish.
- Once a drum of Solidkote PU has been opened the entire contents must be used. Resealing of a drum is possible by tightly sealing the lid of the tin and storing the container upside down.
- Apply consecutive coats within 12-24 hours.
- If time is exceeded, light sanding of the surface will be required before application of a subsequent coat.

CLEAN UP

- Solidkote 503 PU thinners is the recommended cleaning solvent.
- Brushes and rollers cannot be cleaned suitably and should be discarded.

STORAGE CONDITIONS

- Store in original unopened containers in a cool dry place between 4-43°C and 0-90% RH.

HEALTH & SAFETY

- SOLIDKOTE PU contains strong solvents - there must be no open flames or smoking in the vicinity.
- All appropriate PPE must be worn.
- Please consult Health and Safety Data sheets for each product.

WARRANTY

Technical Finishes products are guaranteed against defective materials and are manufactured under high quality standards and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

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