

# SOLIDKOTE UVC

## TWIN PACK POLYURETHANE COATING

### DESCRIPTION

Solidkote UVC is a twin pack, acrylic modified, UV stable coating.

### CHARACTERISTICS

- Non-chalking, high gloss finish with excellent gloss retention.
- The coating exhibits excellent resistance to weathering while displaying superior flexibility, high abrasion, acid, alkali and solvent resistance.
- Solidkote UVC bonds very well to a variety of substrates including concrete, metal, wood, tiles and natural stone.
- Available in pigmented, clear gloss and clear matt versions.

### BENEFITS

- Suitable for interior and exterior surfaces
- Surface renewal and refinishing.
- Concrete floors, structural steel, chemical plants, food factories, plating facilities, laboratories, exterior tanks, marine application above water-line.
- Excellent colour and gloss retention.
- UV stable-does not yellow.
- Non slip finish can be tailored to requirements.
- Fast installation turnaround time.
- Exceptional mar & scratch resistance.

### TECHNICAL DETAILS

Components	2
Mix ratio	4:1 (vol/vol)
Colours	Standard Colours & Matt Colours
Clear coats	Gloss or Matt
Solids Content	40%
Coverage	8 m <sup>2</sup> /L for 150µm 10 m <sup>2</sup> /L for 120µm
Dry Film Thickness	60um per coat
Pot Life	4 hours (in can)
Tack time	45 minutes
Surface dry	4 hours
Walk on	6-8 hours
Overcoat	12 hours
Full Cure	5 days
Application	Roller or Airless Spray
Application Temp	5 - 30°C
Service Temperature	107°C Max

### PACKAGING

Two component 5L or 25L kits

### PRECAUTIONS

- Not tolerant to wet damp surfaces
- Ensure that the mixing ratio is adhered to.
- Use only **Solidkote 503 PU thinner**.
- Ensure good ventilation during application and drying.
- Keep equipment free of water at all times.
- Part B (Hardener) reacts readily with moisture. Do not expose to high humidity. Keep containers tightly sealed when not in use.

## SUBSTRATE REQUIREMENTS

- Surfaces to be coated must be clean and free of dust, oily residues and loose friable material.

## CONCRETE FLOORS

- If concrete is acid etched, ensure all free acid has been rinsed off.
- Ensure relative humidity on the floor surface is not higher than 50% RH for application.
- If moisture is a concern, it is recommended that surfaces are primed with **Solidkote WB** to prevent the possible ingress of moisture and to cover porous screeds.
- Regular concrete surfaces may be primed with **Solidkote UP epoxy primer** to reduce surface porosity.

## WOOD

- On wooden substrates it is advised to suitably sand and remove existing coatings.
- Apply the first coat with a quality mohair roller.
- Lightly sand the surface with a 120 grit sandpaper and vacuum the dust away before applying the subsequent coats.

## STEEL

- All steel surfaces to be abrasive blast cleaned to Sa2½, blasting profile 30-75µm (ISO 8501-1:2007) or power tool cleaned to min. ISO-St2.
- Shop primed steel to be pretreated to SPSS-Pt3.
- Surface defects revealed by blasting, should be ground and filled with Solidkote 121 Epoxy Putty.
- Apply a primer coat using Solidguard 75 EPZ Primer, 24 hours prior to the application of Solidkote UVC to shot blasted steel for maximum adhesion properties.

## MIXING

- Materials are supplied as 2 components - Epoxy Part A and Hardener Part B.
- Mix ratio is 4:1 by volume.
- Add components together and paddle mix for 3 minutes.
- Use within 4 hours.

## AIRLESS SPRAY

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

## BRUSH/ROLLER

- Thin the product between 0 - 3% as needed.
- Use short mohair roller for best finish and build.
- Thinner: Solidkote 503 PU Thinner

## CLEANING SOLVENT

Solidkote 503 PU Thinner

## NON-SLIP COATING

Non Slip finishes requires the addition of 1 x 200g bag / 5L kit of **Solidkote Non-slip** beads. Ensure periodic agitation to resuspend the non-slip bead.

## OVERCOATING TABLE

Surface should be dry and free any contamination. Solidkote UVC at 60µm.

Substrate Temperature	5°C	15°C	25°C	35°C
Min Interval (with itself)	24 hrs	18 hrs	12 hrs	8 hrs
Max Interval	Unlimited			

**HEALTH & SAFETY**

- The system 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.

**Gauteng**

35 Activia Rd, Activia Park, Germiston, 1610  
Tel: +27 (0) 11 822 7242



**Kwa-Zulu Natal**

41 Circuit Road Rd, Westmead 3610  
Tel: +27 (0) 31 705 7733

**Western Cape**

Cnr. Gunners Circle & Fisher Ave, Epping 1, 7475  
Tel: +27 (0) 21 535 4455

