

# **PLASCOTHANE 9000 POLYURETHANE ACRYLIC**

### PRODUCT CODE: PRU 9000 Base & PRH 9 Curing Agent

### **TECHNICAL DATA SHEET**

<b>Product Description</b>	A Two component re-coatable polyurethane acrylic finish.						
Intended Uses	As a high-performance finish for maintenance and new construction.						
	For use on primed steel, galvanised and aluminium surfaces.						
Features & Benefits	Excellent gloss and colour retention.						
	<ul> <li>Long term protection and durability.</li> </ul>						
	Available in a range of colours						
	Fast drying.						
	High DFT obtainable in a single coat application.						
Product Information	Colours	White (PRU	White (PRU 9001); Black (PRU 9002), (PRU 9004) Illovo ice blue and				
		selected colo	selected colour range via tinting system.				
	Tints	White base (PRT 9001/2/3) Yellow base (PRT 9004), Red base (PRT 9005).					
	Appearance	Gloss					
	Volume solids	53% dependant on colour					
	Recommended DFT	Min: 40 μm Max: 75 μm					
	Recommended WFT	Min: 75 μm Max: 141 μm					
	Theoretical Spreading Rate	8.8 m <sup>2</sup> /L at 60 μm DFT at stated volume solids					
	VOC	470 g/L					
	Flash Point	23 °C					
Application Details	Mixing	•	6 parts base <b>PRU 9000 to</b> 1 part curing agent <b>PRH 9</b> by volume  Stir both components with a power mixer until homogeneous.  Add the curing agent to the base and mix thoroughly together. Mix only				
		in proportions shown above. <b>Do not split packs</b> .					
	Method	Airless Spray: Nozzle orifice: 0.013" – 0.017", Nozzle pressure: 152 – 172 bar (2200 - 2500 p.s.i).					
		Conventional spray (pressure pot): Gun DeVilbiss MBC or JGA, Air Cap 704 or 765 Fluid tip: E					
		Brush or roller: Min 40 μm; Max 50 μm DFT can be achieved					
	Thinner	Use UNIVERSAL REDUCER (PUR 1) if necessary					
	Cleaner	UNIVERSAL REDUCER (PUR 1))					
	Pot Life	23 °C - 2 hours					
	Application Environment	Surface Ambient		ent	Relative Humidity		
		Temperature	Temperature Tempe				
		Min: 10 °C M		5 °C	Min: 10%		
		Max: 40 °	Max: 40 °C Max: 40 °C		Max: 75%		
		Or 3 °C above	Or 3 °C above dew point				
	Drying Time	Temp Touch Dry Hard Dry		Hard Dry	Overcoating Interval		
					Min	Max	
		10 °C	2.5 h	16 h	16 h	Indefinite	
		23 °C	1.5 h	10 h	10 h	Indefinite	
		40 °C	1 h	6 h	6 h	Indefinite	

**Storage and Packaging** Store away from direct sun, heat, open flames, sparks or severe cold.

Shelf life: 12 months

Dual Packs: 20 L unit: Base (PRU 9000) 17.14 L in a 20 L container.

Curing Agent (PRH 9)2.86 L in a 5 L container 5 L unit: Base (PRU 9000): 4.29 L in a 5 L container Curing Agent (PRH 9): 0.715 L in a 1 L container





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Surface Preparation	The surfaces to be over coated must be clean, dry and free from contamination.				
Sarrace r reparation	Oil and grease should be removed using PLASCON AQUASOLV DEGREASER (GR 1) followed by clean water rinses.				
	• Soluble chloride content may not exceed 75mg per m <sup>2</sup> . Dust and debris not to exceed 0, 3% when tested in				
	accordance with SANS test method 769.				
	NEW CONSTRUCTION:				
	<ul> <li>PLASCOTHANE 9000 (PRU 9000) finish should always be applied over a suitable primer and/or intermediate coats within the specified over-coating intervals.</li> </ul>				
	MAINTENANCE:				
	<ul> <li>Previously coated PLASCOTHANE 9000 (PRU 9000) should be degreased &amp; cleaned using AQUASOLV DEGREASER (GR 1) followed with clean water rinses.</li> </ul>				
	All corroded areas should be repaired with the specified system.				
	<ul> <li>Aged epoxy or non-re-coatable polyurethane systems will require sweep blasting or sanding to a matt finish if PLASCOTHANE 9000 (PRU 9000) is to be directly applied</li> </ul>				
Caution	The level of gloss and surface finish achieved is dependent on application method.				
	<ul> <li>If applying PLASCOTHANE 9000 (PRU 9000) by brush or roller or if a bright clean colour is being used, multiple coats may be required to achieve full obliteration and specified DFT.</li> </ul>				
	Do not use for immersion.				
	This coating is only re-coatable with itself.				
Shipping Weight	UN Shipping No: 1263				
Simpling Weight	Dual Pack: 20 L - 20,74 kg (PRU 9000), 5 L - 3,456 kg (PRH 9).				
	Dual Pack: 5 L - 5,276 kg (PRU 9000), 1 L - 0,92 kg (PRH 9).				
Safety Precautions	Always keep paint out of reach of children.				
	<ul> <li>Ensure good ventilation during application and drying.</li> </ul>				
	<ul> <li>If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li> </ul>				
	<ul> <li>Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li> </ul>				
	<ul> <li>Harmful if swallowed. Seek medical attention and do not induce vomiting.</li> </ul>				
	Do not smoke while painting.				
	Flammable. Store in a cool dry place away from heat and sparks.				
	Refer to Safety Data Sheet for complete information.				

#### DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. **NB**: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used **NB**: **TO ORDER**: **Quote product name**, **product code number**, **packaging and colour**.

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