

PRODUCT DATA SHEET

CADCO DOMING RESIN PC-1 LOW PROFILE

Cadco PC-1 Low Profile is a water clear polyurethane resin for use in the production of domed labels and badges. When fully cured the resin has excellent colour stability, mar resistance and adhesion to all substrates normally used in the production of badges and labels.

RESIN SPECIFICATION:

	PROPERTY	VALUE
Part A	Colour	Clear
	Specific Gravity at 25°C	1.04 ± 0.01
	Viscosity at 25°C	200 ± 20 mPa
Part B	Colour	Clear
	Specific Gravity at 25°C	1.08 ± 0.01
	Viscosity at 25°C	300 ± 20 mPa.s
	NCO Value	23.0 ± 0.2 %

TYPICAL CURED RESIN PROPERTIES:

PROPERTY	VALUE
Colour	Clear
Specific Gravity at 25°C	1.06 ± 0.02
Mix Ratio By Volume	1:1 Part A : Part B
Shore D Hardness	70 ± 5
Tensile Strength	97 mPa
Elongation at Break	25 %
Gel time 100 gm Mass at 25°C	12-15 mins
UV Stability – QUV**	No yellowing after 4000 hrs

All of the above tests were carried out on specimens cured at 25°C for 7 days. The material can be handled without damage after 12-24 hours at 25°C and will be fully cured after 7 days.

PACKAGING:

Cadco PC-1 Low Profile doming resin is available in 25 and 200 litre drums and in 50 ml cartridges

RESIN STORAGE AND HANDLING:

The resin system should be stored under clean dry conditions and out of direct sunlight at a temperature between 15°C and 25°C. At low temperatures the Part B of Cadco PC-1 Low Profile resin may crystallise. Should this happen customers are advised to contact Cadillac Plastic Ltd for advice.

All skin and eye contact with Cadco PC-1 Low Profile resin should be avoided. The resins should be used in an adequately ventilated work area where there is no possibility of contact with foodstuffs. Before using Cadco PC-1 Low Profile resin users should familiarise themselves with the Health and Safety Data Sheet for the product.

**QUV Weatherometer Test: 8hrs UV exposure at 60°C using lamp with peak emission at 340nm, followed by 4hrs at 50°C and 95% humidity in a continuous cycle.

To the best of Cadillac Plastic Ltd's knowledge the information given in this Data Sheet is correct. However since use of the product is beyond the control of Cadillac Plastic Ltd users must determine for themselves the suitability of the product for their use and no responsibility is or will be accepted for problems or damage arising from the product's use. No guarantee is given or implied other than the quality of the resin, nor is freedom from patent restrictions to be inferred from these data.