

PLATING PRODUCTS IND PVT LTD

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Technical Data Sheet

CA-150 Resin

Product Code CA-150 RESIN

Product Description:

CA-150 RESIN is a low\medium build, non-yellowing, polyurethane electrophoretic resin system. It is designed to provide the highest reflectivity and flow properties whilst offering high performance at low curing temperatures. CA-150 RESIN also has the ability to conform to complex shapes such as jewellery items. The exceptional appearance of CA- 150 RESIN in combination with its unparalleled resistance properties makes it the ideal choice for both enhancement and protection in the most demanding applications.

CA-150 RESIN has been developed to provide the following performance characteristics (when cured at 130C for 45 minutes metal temperature).

- In excess of 1500 acetone double rubs.
- 4-5H pencil hardness.
- 200 – 1000hrs Neutral salt spray resistance (B117-11 ASTM) dependant on substrate and pre-treatment.

Main Process Benefits

- Cures from 130°C (metal temperature)
- Complete non-yellowing coating system.
- Superior Chemical resistance
- Excellent UV stability
- Good emulsion stability
- Excellent film clarity
- Low electrolytic gassing ensuring easy rinsing.
- Low tack deposited film.
- Exceptional gloss.
- High throwing power.
- Extremely user friendly.

Product Characteristics:

High viscosity liquid Single component form

Processing Equipment:

Standard cathodic electro-lacquering process including closed loop ultrafiltration is recommended. Use only pleated membrane particle filters on coating bath (1 micron nominal rated is normal, but at very low thickness, 0.5 micron nominal may be required).

Bath Conditions:

Solids:	8 - 12% recommended.
Operating MEQ -	40 – 55
Conductivity- (microSiemens/cm)	400 – 700mS
Temperature:	23 – 28C
Deposition voltage/time thickness.	20 – 80 volts for up to 2 minutes for required

Curing:

Practical cure response is achieved at 130 degrees C (metal temperature) for a minimum of 30 minutes.

Note:

Performance variation is more significant at low thickness.

Accordingly the user should establish if the cure/thickness system is consistent with the application's performance requirements.

IMPORTANT NOTICE: for industrial use only.

The following is made in lieu of all warranties , expressed or implied , including the implied warranties of merchantability and fitness for purpose.

Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage , direct , incidental or consequential arising out of the use or the inability to use the product .