

PRP Positive Photoresist

PRP is a fast drying positive photoresist for one to one reproduction of circuits, diagrams and images on metals from transparent positive masters. The aerosol has been introduced for small production requirements at home, or in the laboratory. The intended area of use is the production of printed circuit boards. However, it could be used for all sorts of technical and artistic reproduction on various metal surfaces such as pictures on copper plates, steel, brass etc. To be used in conjunction with Electrolube PDN, Photoresist Developer

- Up to 50% cost savings achieved compared with using pre-coated boards
- Good resolution - better than 0.1mm; green colour produces high contrast image
- The resists are easy to apply, quick drying, safe and simple to process.
- Fine spraying nozzle ensures even coating and ability to control thickness of coating.

Typical Properties

Colour:	Green
Solvent:	n-Butyl Acetate
Flash Point:	-48°C
Density (g/ml):	0.823
Coverage:	Up to 5m ² (200ml Aerosol)

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
Positive Photoresist	200ml Aerosol	PRP200	12 Months

Directions for Use

Complete instructions for use are included with the aerosol. For optimum results, the board surface should be thoroughly cleaned, dried in an oven at 70°C for 10 minutes, then allowed to cool to room temperature, before coating. Once coated, the board can be left to dry overnight, however, the best results will be obtained if it is dried at 50°C for a period of 20 minutes. Overheating should be avoided. The drying process must be carried out ensuring the coating is not exposed to U.V. light. The coating is then exposed to UV light, exposure time being dependent upon the strength of the source, distance and between the source and the coating and the thickness of the coating. The spectral sensitivity of the photoresist is between 350 and 400 nanometers. Development is carried out using Electrolube photoresist developer (PDN) for approximately 2 to 3 minutes at 20°C. This produces a clear green image on a copper background. The board can now be etched in a solution of ferric chloride, ammonium persulphate or other acid etchants. The final coating of photoresist is then removed using the photoresist developer concentrate (PDN).

Revision 1: Apr 2014

Copyright Electrolube 2013

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,
Ashby de la Zouch,
Leicestershire LE65 1JR
T +44 (0)1530 419 600
F +44 (0)1530 416 640
BS EN ISO 9001:2008
Certificate No. FM 32082