ETCHING RES. UV 27009 BLU NF

Code A31127009NF005

PRODUCT DESCRIPTION

UV-curing ETCHING RESIST ink, removable through alkaline solutions.
The ink resists ferric chloride and copper(II) chloride etching solutions.

APPLICATION FIELDS

This is an etching product for rigid and flexible printed circuits.

APPLICATION PROCEDURE

Substrates	XXPC - CEM – FR PET/Cu and PET/Al
Matrix	Polyester 120-140 Th/cm Stainless steel 110-130 Th/cm
Photoemulsion	Solvent resistant
Squeegee	Square edge Squeegee hardness 70-75 shores
Drying	200 W/cm UV lamps Carpet speed: 6 m/min Power: at least 250-300 mJ
Cleaning	**SOLVENTE LAVAGGIO LQ 90.920**
Storage	If kept in a dark place, in its original sealed package, at a temperature of 20-25°C, the product has a shelf-life of about 1 year.
Package	5 Kg
Safety Data Sheet	Available upon request

PREPARATION

Before using it, the ink must be mixed well.

Oxidized surfaces or surfaces affected by oil and fat may cause an adhesion loss to the ink. A wet brushing treatment is recommended, followed by a complete drying, in order to achieve a good adhesion.

GENERAL FEATURES

- Resisting the main acid etching solutions, such as copper(II) chloride and ferric chloride with a copper thickness over 100 micron
- Indicated for printing on flexible substrates
- Particularly indicated for automatic and/or semi-automatic machines with high printing speed
- Excellent definition and accuracy in reprinting and resolution of tracks – interdistances ≤ 0,15 mm
- No blocking
- Removable through alkaline solutions
- Excellent mechanical resistance and adhesion
- Low smell and irritation index

TECHNICAL FEATURES

ASPECT:	semi-glossy blue
SPECIFIC WEIGHT:	1,575
VISCOSITY:	27.500 - 28.500 cP
(Brookfield alb.6, vel.20 a 25 °C)	
DRY CONTENT:	95-97 %
FLASH POINT:	≥ 100 °C

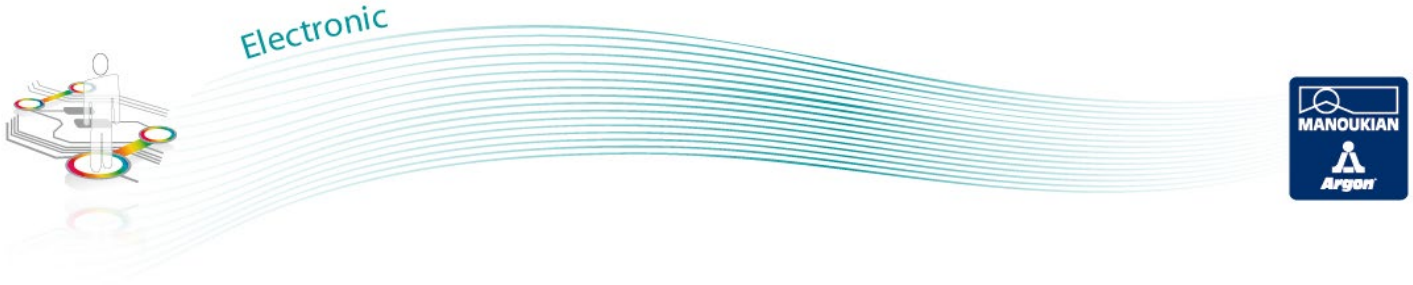
REMOVAL

The ink is removed very easily, through spraying or dipping into cold or hot (about 40°), caustic soda based solutions (NaOH) at 4%.

The treatment duration vary from a few seconds to 25 seconds (cold dipping). Energetically wash with water.

If reasonably limited, the over-curing of the ink does not make the subsequent removal difficult.

Technical Data Sheet



SPECIAL INSTRUCTIONS

- Always test the characteristics of the product, before starting production.
- The above information is the result of previous knowledge and experience; it is neither a guarantee nor an assurance.
- Avoid direct and extended exposure of the ink to light sources containing ultraviolet radiations.
- The common white fluorescent lamps, provided that they are equipped with diffuser screen, may be used to light the printing rooms.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.