



Electronic



E.P. RESIST UV 29442 BLU VIO.

Code A31129442005

PRODUCT DESCRIPTION

UV-curing ETCHING RESIST ink, removable through alkali.
The ink excellently resists pH 9-10 and acid ammonia solutions.

APPLICATION FIELDS

This etching product is suitable for the production of printed circuits and the metal etching.

APPLICATION PROCEDURE

Substrates	XXPC - CEM – FR ALUMINIUM - BRASS
Matrix	Polyester 120-140 Th/cm Stainless steel 325-350 mesh/inch Nickel plate himesh 305
Photoemulsion	Solvent resistant
Squeegee	Square edge Squeegee hardness 70-75 shores
Drying	200 W/cm UV lamps Carpet speed: 3-5 m/min Power: at least 250-300 mJ
Thinners	DILUENTE REATTIVO 2483-V-43 (Code: A31829004001) Max 2%
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 and, in case, diluted, according to printing requirements.

In case that viscosity reduction is needed, it is possible to add up 2% **DILUENTE REATTIVO 2483-V-43**.

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, the copper has to be slightly satin-finished.

GENERAL FEATURES

- Excellent resistance to pH 9-10 and acid ammonia etching solutions, such as ferric chloride and copper(II) chloride
- Easy removal in soda at 2-4% with ink solubilization
- Excellent definition and accuracy in reprinting
- High yield due to the high solid content
- Excellent adhesion
- Excellent resistances
- Multipurpose

TECHNICAL FEATURES

ASPECT:	violet blue
SPECIFIC WEIGHT:	1,320
VISCOSITY:	25.000 - 28.000 cP
(Brookfield Alb.6 Vel 20 a 25°C)	
SOLID CONTENT:	95 - 97%
FLASH POINT:	> 100°C
FILM HARDNESS:	2 H

REMOVAL

The ink is removed cold (about 30°C) or hot (about 40°C) through caustic soda solutions (NaOH) at 2-4%: the average dipping time is about 10 seconds.

Over-curing or too high ink thickness may cause removal problems.



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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.