ETCHING RESIST 27 709 NF

Code A31127709005

PRODUCT DESCRIPTION

Semi-glossy, solvent-based ETCHING RESIST ink, removable through solvents.
The ink resists the acid and alkaline etching solutions.

APPLICATION FIELDS

This product is particularly indicated for the production of printed circuits, the chemical blanking and the applications requiring a high resistance to acid or alkaline solutions (metal plates, glass etching, etc.).

It is also used as Scraping Resist for dry brushing of plates.

GENERAL FEATURES

- Resisting acid and alkaline etching solutions, including the very aggressive ones
- Removable through solvents
- Resisting the most common etching fluids
- Semi-glossy finish

APPLICATION PROCEDURE

Substrates	XXPC - CEM – FR ALUMINIUM - BRASS
Matrix	Polyester 100-120 Th/cm Stainless steel 100-110 Th/cm
Photoemulsion	Solvent resistant
Squeegee	Square edge Squeegee hardness 70-75 shores
Drying	Room temperature during a few hours Hot air oven: 120°C, 15-20 min. IR oven: a few minutes depending on the distance and the lamps type
Thinners	**DILUENTE 90.917 NORMALE INODORE** (Code: A31890917001) Max 10%
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 2 years.
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 to 10% **DILUENTE 90.917 NORMALE INODORE.**

TECHNICAL FEATURES

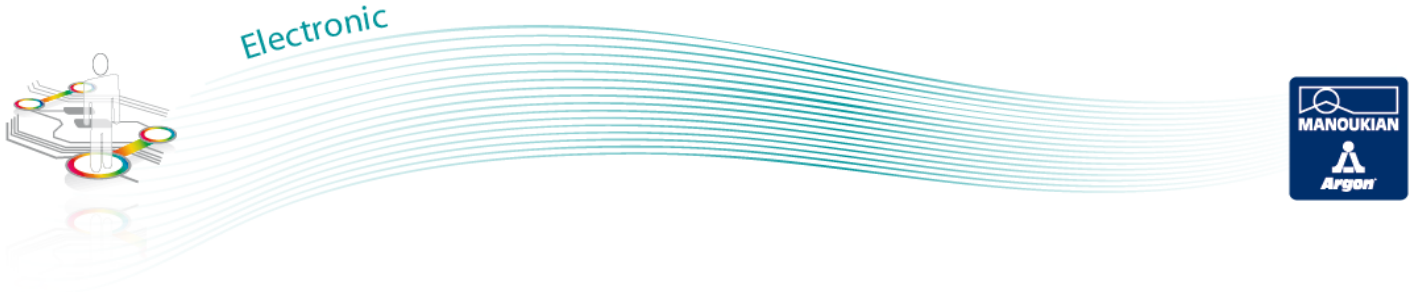
Resisting the most common etching fluids:

- Ferric chloride
- Copper(II) chloride
- Ammonium persulfate
- Ammonium-based liquids
- Dluted hydrofluoric acid
- Solutions of diluted caustic soda

REMOVAL

The ink may be easily removed through common liquid and/or vapour chlorinated solvents (e.g. trichloroethylene) and also aromatic solvents (high boiling aromatic naphthas derived from oil or coal).

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.
- Over time, the viscosity tend to increase: in order to restore it, heat the ink at about 40°C and dilute with **DILUENTE 90.917 NORMALE INODORE**.

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.