

Screen Printing Inks



EPOXSER

Code A31192000

PRODUCT DESCRIPTION

Bi-component solvent based ink with glossy finishing

APPLICATION FIELDS

EPOXSER series is particularly indicated for printing of inert materials, such as metal, wood and glass.

Furthermore, it is possible to print this product onto treated polyolefinic materials.

APPLICATION PROCESS

Substrates	Aluminium, metals, wood, glass Treated PP and PE
Th/cm	77 to 120
Emulsion	<ul style="list-style-type: none"> ZERO - IN SV PLUS VIOLA ZERO - IN SR-V
Squeegee	Square edge Squeegee hardness 70 - 75 Shores
Drying	48 hours at room temperature Into oven, at 150°C for 20 minutes
Catalyst	EPOXSER CATALIZZATORE 25% to colours and 50% to transparent EPOXSER CATALIZZATORE SPECIALE Max. 10%
Thinner	DILUENTE 90.922 NORMALE DILUENTE 90.918 LENTO DILUENTE 90.911 NF EXTRA LENTO
Retarder	90.931 EXTRA LENTO INODORE (code A31890931001)
Levelling agent	LIVELLANTE 90.970 (code A31890970000) Max. 2%
Cleaning	SOLVENTE LAVAGGIO LQ 90.920
Storage	If kept in its original sealed package, the product has a shelf-life of 2 years
Package	See the PRODUCT RANGE table
Safety Data Sheet	Available upon request

GENERAL FEATURES

- High chemical and physical resistances
- Excellent opacity
- Excellent printability
- Excellent adhesion onto glass and metals
- High glossy level

PREPARATION

Before using it, the ink must be catalyzed, by adding one of the following products:

- ✓ **EPOXSER CATALIZZATORE:** 25% to colours and metal inks and 50% to transparent inks.
- ✓ **EPOXSER CATALIZZATORE SPECIALE:** 10% to the whole series.

Furthermore, the ink must be mixed well and, in case, diluted, according to printing requirements.

TECHNICAL FEATURES

The performance of the product, printed with a 120 th/cm screen, is 50-60 m²/Kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment.

The best chemical resistances are achieved by drying the ink film at 150°C for 20-30 minutes, through a static or hot air oven.

EPOXSER series has an outdoor resistance (inclement weather, sunlight) up to 1 year.

These data are highly influenced by the kind of substrate to be printed, the altitude, the geographical position and the air pollution.

The addition of high percentages of white or transparent base to the ink causes a substantial reduction in its light resistance.

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PRODUCT RANGE

BLACKS and WHITES

CODE	PRODUCT	PACKAGE
A31192101001	OPAQUE WHITE	1 Kg
A31192701001	OPAQUE BLACK	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A31192201001	LEMON YELLOW	1 Kg
A31192202001	CHROME YELLOW	1 Kg
A31192302001	SCARLET	1 Kg
A31192303001	RED	1 Kg
A31192304001	RUBY RED	1 Kg
A31192343001	PINK	1 Kg
A31192401001	COBALT BLUE	1 Kg
A31192403001	ULTRAMARINE BLUE	1 Kg
A31192405001	DARK BLUE	1 Kg
A31192407001	GENTIAN BLUE	1 Kg
A31192440001	VIOLET	1 Kg
A31192500001	LEAF GREEN	1 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31192125001	SILVER	1 Kg
A31192424001	RICH PALE GOLD	1 Kg
A31192800001	TRASPARENTE	1 Kg
A31192810001	TRASPARENTE OPACO	1 Kg
A3149259900-	CATALIZZATORE	250 g and 1 Kg
A3149260000-	CATALIZZATORE SPECIALE	100 g and 1 Kg

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to **EPOXSER BASE TRASPARENTE A31192800001**, according to the following percentages:

- 10-15% silver powder
- 20-25% gold powder
- 20-30% fluorescent pigment

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.
- For printing onto glass, it is recommended to add **EPOXSER CATALIZZATORE SPECIALE**.
- Once catalyzed, the ink has a pot-life of about 5-6 hours, so it is recommended to prepare each day the quantity necessary for daily printing only.

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.