

Screen Printing Inks



SERIPOXY

Code A31190000

PRODUCT DESCRIPTION

Bi-component solvent based ink with glossy finishing

APPLICATION FIELDS

SERIPOXY series is particularly indicated for printing of inert materials (such as metal, wood or glass), that have to be over varnished. Furthermore, it is possible to print onto treated polyolefinic materials.

APPLICATION PROCESS

Substrates	Glass, aluminium, metals, wood 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	Tack-free is reached at room temperature within 1 hour, or at 150°C for 30 minutes
Catalyst	SERIPOXY 90.835 CATALYST (code A31890835001) Max. 20%
Thinner	DILUENTE 90.922 NORMALE DILUENTE 90.918 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

- Good opacity
- Good flexibility
- Good chemical and mechanical resistances
- Good stability in the screen
- Silicone-free

PREPARATION

Before using it, the ink must be catalyzed, by adding **SERIPOXY 90.835 CATALYST**, according to the following quantities:

- ✓ 10%, in order to obtain an ink film, which is more rigid and more resistant to solvents;
- ✓ 20%, in order to have an ink film, which is more flexible.

Furthermore, the ink must be well mixed, 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.

SERIPOXY 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 & WHITES

CODE	PRODUCT	PACKAGE
A31190100001	WHITE TOYS	1 Kg
A31190700001	BLACK TOYS	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A31190T200001	PRIMEROSE YELL. TOYS	1 Kg
A31190T202001	CHROME YELLOW TOYS	1 Kg
A31190T303001	RED TOYS	1 Kg
A31190T304001	RUBY RED TOYS	1 Kg
A31190403001	ULTRAMARINE BLUE TOYS	1 Kg
A31190404001	BRILLIANT BLUE TOYS	1 Kg
A31190T541001	GREEN TOYS	1 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31190800001	TRANSPARENT BASE TOYS	1 Kg
A31190017001	SATIN VARNISH	1 Kg
A31890835001	CATALYST	1 Kg

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.
- The addition of 20% **SERIPOXY 90.835 CATALYST** may compromise the maximal chemical resistances of the ink.
- Through the addition of such promoter, the ink has a pot-life of about 8 hours.

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) TO **SERIPOXY TRANSPARENT BASE TOYS A31190800001**, according to the following percentages:

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

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.