

Screen Printing Inks



HI-GLOSS

Code A31135000

PRODUCT DESCRIPTION

Solvent based vinyl ink with glossy finishing

APPLICATION FIELDS

HI-GLOSS is mainly used for printing of advertising, POP, display, stickers and graphic works in general.

This product is extremely versatile and multipurpose.

APPLICATION PROCESS

Substrates	Paper, paperboard, PVC, ABS, PES, PC, PMMA, PS
Th/cm	77 to 140
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 20 min., or at 50-60°C for a few minutes
Thinner	DILUENTE 90.913 NORMALE INODORE DILUENTE 90.924 DILUENTE 90.918 LENTO
Retarder	TIXO-VINYL RETARDER 8159-V-9 (code A3149088800...) Max. 30% 90.923 RITARDANTE INODORE (code A31890923001)
Adhesion promoter	PROMOTORE DI ADESIONE 90.908 (code A31890908000) Max. 10%
Levelling agent	ANTISCHIVANTE 35.975 (code A31835975000) 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 PRODCUT RANGE table
Safety Data Sheet	Available upon request

GENERAL FEATURES

- Low smell
- Excellent opacity
- High brightness
- Quick drying
- Good chemical resistances

PREPARATION

Before using it, 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.

HI-GLOSS series has an outdoor resistance (inclement weather, sunlight) up to 3 years.

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.

The bases for the realization of Pantone® colours are not recommended for those outdoor applications that should last more than 1 year.

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.
- In order to improve adhesion on such substrates, that are difficult to be printed, it is possible to add up to 10% **PROMOTORE DI ADESIONE 90.908**. Through the addition of such promoter, the ink has a pot-life of about 8 hours.
- For printing of those substrates, that are sensitive to solvents, such as PC, it is recommended to use hot ovens and **DILUENTE 90.913 NORMALE INODORE**.
- The use of **Thinners 90.917 and 90.927** is not recommended, since they do not meet **Toys** regulations.

Screen Printing Inks



PRODUCT RANGE

BLACKS and WHITES

CODE	PRODUCT	PACKAGE
A31135100E00-	WHITE TOYS	1 Kg and 5 Kg
A31135101E00-	OPAQUE WHITE TOYS	1 Kg and 5 Kg
A31135700E00-	BLACK TOYS	1 Kg and 5 Kg
A31135701E001	OPAQUE BLACK TOYS	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A31135200Y001	PRIMEROSE YELL. TOYS	1 Kg
A31135201Y001	LEMON YELLOW TOYS	1 Kg
A31135202Y001	CHROME YELLOW TOYS	1 Kg
A31135301Y001	ORANGE TOYS	1 Kg
A31135302Y001	SCARLET TOYS	1 Kg
A31135303Y001	RED TOYS	1 Kg
A31135304Y001	RUBY RED TOYS	1 Kg
A31135305Y001	CARMINE RED TOYS	1 Kg
A31135343E001	OPAQUE PINK TOYS	1 Kg
A31135400E001	LIGHT BLUE TOYS	1 Kg
A31135401E001	COBALT BLUE TOYS	1 Kg
A31135403E001	ULTRAMARINE BLUE TOYS	1 Kg
A31135404E001	BRILLIANT BLUE TOYS	1 Kg
A31135405E001	DARK BLUE TOYS	1 Kg
A31135440E001	VIOLET TOYS	1 Kg
A31135500E001	GREEN TOYS	1 Kg
A31135501Y001	LIGHT GREEN TOYS	1 Kg
A31135503Y001	DARK GREEN TOYS	1 Kg
A31135541Y001	OPAQUE GREEN TOYS	1 Kg

FOUR-COLOUR PROCESS

CODE	PRODUCT	PACKAGE
A31135297E001	YELLOW EUROPE TOYS	1 Kg
A31135397E001	MAGENTA EUROPE TOYS	1 Kg
A31135497E001	CYAN EUROPE TOYS	1 Kg
A31135797E001	BLACK EUROPE TOYS	1 Kg
A31135880E001	THIXOTROPIC GEL TOYS	1 Kg

AMC BASES

CODE	PRODUCT	PACKAGE
A31135P200E001	AMC PRIMEROSE YELL.	1 Kg
A31135P202E001	AMC CHROME YELL. TOYS	1 Kg
A31135P301E001	AMC ORANGE TOYS	1 Kg
A31135P303E001	AMC RED TOYS	1 Kg
A31135P305E001	AMC CARMINE RED TOYS	1 Kg
A31135P342E001	AMC PINK TOYS	1 Kg
A31135P404E001	AMC BRILLIANT BLUE	1 Kg
A31135P440E001	AMC VIOLET TOYS	1 Kg
A31135P500E001	AMC GREEN TOYS	1 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31135800E00-	TRANSPARENT BASE TOYS	1 Kg and 5 Kg

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to **HI-GLOSS TRANSPARENT BASE TOYS A31135800E00-**, according to the following percentages:

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

In case, as a bronze binder, it is possible to use the bronze binder of the series **VINILFLAT A31138850Y001**.

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.