

Screen Printing Inks



CARBOGLOSS

Code A31126000

PRODUCT DESCRIPTION

Solvent based vinyl ink with glossy finishing

APPLICATION FIELDS

This product is particularly indicated for printing of membrane keyboards, stickers and PC and PET-G plates for the creation of bike helmets.

This product is extremely versatile and multipurpose.

APPLICATION PROCESS

Substrates	Paper, paperboard, PVC, PES, PC, PET, PET-G
Th/cm	From 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 A31490888001) Max. 30% 90.923 RITARDANTE INODORE (code A31890923001)
Adhesion promoter	PROMOTORE DI ADESIONE 90.908 (code A31890908000) Max. 10%
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

- Excellent stability in the screen
- Excellent alcohol resistance
- Die cutting-resistant and embossing-resistant
- Thermoformable
- Heavy metal-free

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.

CARBOGLOSS series has an outdoor resistance (in-clement 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 and PET-G, it is recommended to use hot air 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.

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PRODUCT RANGE

BLACKS and WHITES

CODE	PRODUCT	PACKAGE
A31126100001	WHITE TOYS	1 Kg
A3112610100-	OPAQUE WHITE TOYS (*)	1 Kg and 5 Kg
A3112610200-	BACKGR. WHITE TOYS	1 Kg and 5 Kg
A31126700001	BLACK TOYS	1 Kg
A31126701001	OPAQUE BLACK TOYS	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A31126200001	PRIMEROSE YELL. TOYS	1 Kg
A31126202001	CHROME YELLOW TOYS	1 Kg
A31126301001	ORANGE TOYS	1 Kg
A31126302001	SCARLET TOYS	1 Kg
A31126303NF001	RED TOYS	1 Kg
A31126304001	RUBY RED TOYS	1 Kg
A31126401001	COBALT BLUE TOYS	1 Kg
A31126403001	ULTRAMARINE BLUE TOYS	1 Kg
A31126404001	BRILLIANT BLUE TOYS	1 Kg
A31126541001	GREEN TOYS	1 Kg

AMC BASES

CODE	PRODUCT	PACKAGE
A31126P200001	AMC PRIMEROSE YELLOW	1 Kg
A31126P202001	AMC CHROME YELLOW TOYS	1 Kg
A31126P301001	AMC ORANGE TOYS	1 Kg
A31126P303001	AMC RED TOYS	1 Kg
A31126P305001	AMC CARMINE RED TOYS	1 Kg
A31126P342001	AMC PINK TOYS	1 Kg
A31126P404001	AMC BRILLIANT BLUE TOYS	1 Kg
A31126P440001	AMC VIOLET TOYS	1 Kg
A31126P500001	AMC LEAF GREEN TOYS	1 Kg

FOUR-COLOUR PROCESS

CODE	PRODUCT	PACKAGE
A31126297001	YELLOW EUROPE TOYS	1 Kg
A31126397001	MAGENTA EUROPE TOYS	1 Kg
A31126497001	CYAN EUROPE TOYS	1 Kg
A31126797001	BLACK EUROPE TOYS	1 Kg
A31126880001	THIXOTROPIC GEL TOYS	1 Kg

TRANSPARENT COLOURS

CODE	PRODUCT	PACKAGE
A31126227001	YELLOW TRANSP. TOYS	1 Kg
A31126326001	RED TRANSP. TOYS	1 Kg
A31126327001	MAGENTA TRANSP. TOYS	1 Kg
A31126332001	SCARLET TRANSP. TOYS	1 Kg
A31126426001	BRILL. BLUE TRANS. TOYS	1 Kg
A31126427001	ULTR. BLUE TRANS. TOYS	1 Kg
A31126527001	GREEN TRANSP. TOYS	1 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31126800001	TRANSPARENT BASE TOYS	1 Kg
A31126850001	BRONZE BINDER TOYS	1 Kg
A31126125001	SILVER NO LEAFING (**)	1 Kg

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to **CARBO-GLOSS BRONZE BINDER TOYS A31126850001**, according to the following percentages:

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

(*) **NON THERMOFORMABLE**

(**) **SCREEN: 77 to 120 Th/cm**

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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.