

Carbogloss 26.000

Code A31126000

PRODUCT DESCRIPTION

Solvent based vinyl ink with glossy finishing.

APPLICATION FIELDS

This product is particularly indicated for printing of membrane keyboards, stickers, toys, household appliances, promotional and 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 Th/cm
Emulsion	See the product range table
Squeegee	Square edge Squeegee hardness 70-75 Shores
Drying	Tack-free is reached at room temperature within 20 minutes, or at 50-60°C for a few minutes.
Thinners	<ul style="list-style-type: none"> • Thinner 90.913 Normal Odourless • Thinner 90.924 Medium • Thinner 90.918 Slow
Retarders	<ul style="list-style-type: none"> • Tixo-Vinyl Retarder 8159-V-9 (code A3149088800...) max. 30% • 90.923 Retarder Odourless (code A31890923001) max. 5%
Adhesion promoters	Adhesion Promoter 90.908 (code A31890908000) max. 10% (not suitable for the thermoforming process)
Levelling agent	Levelling 90.970 (code A31890970000) max. 2%
Cleaning	Solvent LQ 90.920
Storage	If kept in its original sealed package, the product has a shelf-life of 2 years.
Packaging	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

CERTIFICATIONS



The inks of the Carbogloss series meet the requirements established by RoHS (Delegated Directive (EU) 2015/863 / EC) and by the EN71-3: 2019 - Migration of certain elements.

PREPARATION

Before using, the ink must be well mixed and, in case, diluted according to the 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.

PRODUCT RANGE

BLACKS AND WHITES

CODE	PRODUCT	PACK
A3112610000-	WHITE TOYS	1 and 5 kg
A3112610100-	OPAQUE WHITE TOYS*	1 and 5 kg
A3112610200-	BACKING WHITE TOYS	1 and 5 kg
A31126100Y001	WHITE L	1 kg
A31126700001	BLACK TOYS	1 kg
A31126701001	OPAQUE BLACK TOYS	1 kg
A31126700Y001	BLACK M	1 kg

OPAQUE COLOURS

CODE	PRODUCT	PACK
A31126202001	CHROME YELLOW TOYS	1 kg
A31126302001	SCARLET RED TOYS	1 kg
A31126303NF001	RED TOYS	1 kg
A31126304001	RUBY RED TOYS	1 kg
A31226400001	SKY BLUE TOYS	1 kg
A31126403001	ULTRAMARINE BLUE TOYS	1 kg
A31226405001	DARK BLUE	1 kg
A31126541001	OPAQUE GREEN TOYS	1 kg

COLORMATIC BASES

CODE	PRODUCT	PACK
A31126P200Y001	LEMON YELLOW A	1 kg
A31126P201Y001	MEDIUM YELLOW AB	1 kg
A31126P202Y001	GOLDEN YELLOW B	1 kg
A31126P301Y001	ORANGE C	1 kg
A31126P303Y001	RED D	1 kg
A31126P305Y001	CARMINE E	1 kg
A31126P342Y001	PINK F	1 kg
A31126P404Y001	BRIGHT BLUE H	1 kg
A31126P440Y001	BRIGHT VIOLET G	1 kg
A31126P500Y001	GREEN K	1 kg

OTHER PRODUCTS

CODE	PRODUCT	PACK
A31126800001	TRANSPARENT BASE TOYS	1 kg
A31126850001	BRONZE BINDER TOYS	1 kg
A31126125001	SILVER NO LEAFING**	1 kg

* Not thermoformable

** Frame 77-120 Th/cm

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to Carbogloss Bronze Binder Toys A31126850001 according to the following percentages:

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

SPECIAL RECOMMENDATIONS

- Always test the features of the product before proceed to production.
- The information presented are the result of past experiences and knowledge they do not represent warranty or insurance.
- To improve adhesion on critical substrates, add up to 10% Adhesion Promoter 90.908. With the addition of this promoter, the ink has a pot-life of about 4-8 hours.
- When printing solvent-sensitive substrates, such as PC, it is recommended to use hot-air ovens and the Odourless 90.913 Normal Thinner.
- It is not recommended to use Thinners 90.917 and 90.927 as they do not comply with Toys regulation.

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 of 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.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.