

# Hi-Gloss 35.000

Code A31135000

## PRODUCT DESCRIPTION

Solvent based vinyl ink with glossy finishing.

## APPLICATION FIELDS

Hi-Gloss is mainly used for printing of labels, household appliances, sports equipment, furniture, automotive, helmets, promotional, toys, visual.

This product is extremely versatile and multipurpose.

## APPLICATION PROCESS

<b>Substrate</b>	PAPER, PAPERBOARD, PVC, ABS, PES, PC, PMMA, PS
<b>Th/Cm</b>	From 77 to 140 th/cm
<b>Emulsion</b>	See the product range table
<b>Squeegee</b>	Square edge Squeegee hardness: 70-75 Shores
<b>Drying</b>	Tack-free is reached at room temperature within 20 min., or at 50- 60°C for a few minutes
<b>Thinners</b>	<ul style="list-style-type: none"> <li>• Thinner 90.913 Normal Odourless</li> <li>• Thinner 90.924 Medium</li> <li>• Thinner 90.918 Slow</li> </ul>
<b>Retarders</b>	<ul style="list-style-type: none"> <li>• Tixo-Vinyl Retarder 8159-V-9 (code A3149088800...) max. 30%</li> <li>• 90.923 Retarder Odourless (code A31890923001) max. 5%</li> </ul>
<b>Adhesion promoters</b>	Adhesion Promoter 90.908 max. 10% Adhesion Promoter 90.906 max. 10%
<b>Levelling agent</b>	Levelling 90.970 (code A31890970000) max. 2%
<b>Cleaning</b>	Solvent LQ 90.920
<b>Storage</b>	If kept in its original sealed package, the product has a shelflife of 2 years.
<b>Packaging</b>	See the product range table
<b>Safety data sheet</b>	Available upon request

## GENERAL FEATURES

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

## CERTIFICATIONS



The inks of the Hi-Gloss 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 m<sup>2</sup>/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 (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
A31135101E00-	OPAQUE WHITE TOYS	1 and 5 kg
A31135700E00-	BLACK TOYS	1 and 5 kg
A31135701E00-	OPAQUE BLACK TOYS	1 and 5 kg

### OPAQUE COLOURS

CODE	PRODUCT	PACK
A31135200Y001	PRIMROSE YELLOW TOYS	1 kg
A31135301Y001	ORANGE TOYS	1 kg
A31135302Y001	SCARLET TOYS	1 kg
A31135303Y001	RED TOYS	1 kg
A31135405E001	DARK BLUE TOYS	1 kg
A31135501Y001	LIGHT GREEN TOYS	1 kg
A31135503Y001	DARK GREEN TOYS	1 kg
A31135541Y001	OPAQUE GREEN TOYS	1 kg

### COLORMATIC BASES

CODE	PRODUCT	PACK
A31135100Y001	WHITE L	1 kg
A31135700Y001	BLACK M	1 kg
A31135P200Y001	LEMON YELLOW A	1 kg
A31135P201Y001	MEDIUM YELLOW AB	1 kg
A31135P202Y001	GOLD YELLOW B	1 kg
A31135P301Y001	ORANGE C	1 kg
A31135P303Y001	RED D	1 kg
A31135P305Y001	CARMINE E	1 kg
A31135P342Y001	PINK F	1 kg
A31135P404Y001	BRILLIANT BLUE H	1 kg
A31135P440Y001	BRILLIANT VIOLET G	1 kg
A31135P500Y001	GREEN K	1 kg

### OTHER PRODUCTS

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

### FOUR COLOUR PROCESS

CODE	PRODUCT	PACK
A31135297E001	PROCESS YELLOW TOYS	1 kg
A31135397E001	PROCESS MAGENTA TOYS	1 kg
A31135497E001	PROCESS CYAN TOYS	1 kg
A31135797E001	PROCESS BLACK TOYS	1 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

For golden powders if you want a better pot life you could use Carbogloss 26.850 Bronze Binder Toys. In case, as a bronze binder, it is possible to use the bronze binder of the series Vinilflat A31138850Y001.

### SPECIAL RECOMMENDATIONS

- Always test the features of the product before to 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.
- To improve adhesion on critical substrates, add up to 10% Adhesion Promoter 90.906, to maintain or increase the flexibility of the ink. 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 90.913 Odourless 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](mailto: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.