

# Vinilflat 38.000

Code A31138000

## PRODUCT DESCRIPTION

Solvent based vinyl ink with matt finishing.

## APPLICATION FIELDS

Vinilflat is mainly used for screen printing of Labels, Household Appliances, Promotional, Toys, Visual, Habitat and Sports Equipments.

This product is extremely versatile and multipurpose.

## APPLICATIVE PROCESS

<b>Substrate</b>	PAPER, PAPERBOARD, PVC, ABS, PES, PMMA, PS AND WOOD
<b>Th/Cm</b>	From 77 to 120 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>	Thinner 90.913 for PS Thinner 90.924 Normal Thinner 90.918 Slow
<b>Retarders</b>	Tixo-Vinyl Retarder 8159-V-9 Max 30% 90.923 Retarder Odourless (code A31890923001)
<b>Adhesion promoters</b>	Adhesion Promoter 90.908 (code A318909080001) Max. 10%
<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 sheet data</b>	Available upon request

## GENERAL FEATURES

- Indicated for high frequency welding
- Excellent opacity
- Quick drying
- Excellent printability
- Good chemical resistances

## CERTIFICATIONS



The inks of the Vinilflat 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 30-35 m<sup>2</sup>/kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment. Vinilflat series has an outdoor resistance (inclement weather, sunlight) up to 2 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 outdoor applications that have to last more than 1 year.

In case that a reduction in colour intensity is needed, but the matt level has to be maintained, it is possible to use Vinilflat Cutting Paste (code A31138810E001). Vinilflat Trasnparent Base (code A31138800E001), on the contrary, is recommended for the reduction in the matt level.

## PRODUCT RANGE

### BLACKS AND WHITES

CODE	PRODUCT	PACK
A31138100E00-	WHITE TOYS	1 and 5 kg
A31138101E00-	OPAQUE WHITE TOYS	1 and 5 kg
A31138024E00-	SUPER WHITE TOYS	1 and 5 kg
A31138700E00-	BLACK TOYS	1 and 5 kg
A31238701E005	OPAQUE BLACK	5 kg
A31238711E005	NERO PROF. SALD. 8141V1	5 kg

### OPAQUE COLOURS

CODE	PRODUCT	PACK
A31138200Y001	PRIMROSE TOYS	1 kg
A31138201Y001	LEMON YELLOW TOYS	1 kg
A31138202Y001	CHROME YELLOW TOYS	1 kg
A31138301Y001	ORANGE TOYS	1 kg
A31138302Y001	SCARLET RED TOYS	1 kg
A31138303Y001	RED TOYS	1 kg
A31138304Y001	RUBY TOYS	1 kg
A31138305Y001	CARMINE TOYS	1 kg
A31138343E001	OPAQUE PINK TOYS	1 kg
A31138400E001	SKY BLUE TOYS	1 kg
A31138401E001	COBALT BLUE TOYS	1 kg
A31138403E001	ULTRAMARINE BLUE TOYS	1 kg
A31138404E001	BRILLIANT BLUE TOYS	1 kg
A31138405E001	DARK BLUE TOYS	1 kg
A31138500E001	LEAF GREEN TOYS	1 kg
A31138501E001	LIGHT GREEN TOYS	1 kg
A31138503Y001	DARK GREEN TOYS	1 kg
A31138541E001	OPAQUE GREEN TOYS	1 kg

### FOUR COLOUR PROCESS

CODE	PRODUCT	PACK
A31138297E001	YELLOW EUROPE TOYS	1 kg
A31138397E001	MAGENTA EUROPE TOYS	1 kg
A31138497E001	CYAN EUROPE TOYS	1 kg
A31138797E001	BLACK EUROPE TOYS	1 kg
A31138880E00-	THIXOTROPIC GEL TOYS	1 and 5 kg

### AMC BASES

CODE	PRODUCT	PACK
A31138P200E001	AMC PRIMROSE YELLOW	1 kg
A31138P202E001	AMC CHROME YELLOW	1 kg
A31138P301E001	AMC ORANGE	1 kg
A31138P303E001	AMC RED	1 kg
A31138P305E001	AMC CARMINE	1 kg
A31138P342E001	AMC PINK	1 kg
A31138P404E001	AMC BRILLIANT BLUE	1 kg
A31138P440E001	AMC VIOLET	1 kg
A31138P500E001	AMC GREEN	1 kg
A31138P700E001	AMC BLACK	1 kg

### OTHER PRODUCTS

CODE	PRODUCT	PACK
A31138800E00-	TRANSP. BASE TOYS (*)	1 and 5 kg
A31138850Y001	BRONZE BINDER TOYS	1 kg
A31138810E001	CUTTING PASTE TOYS	1 kg
A31138840E001	EXTENDER BASE	1 kg

(\*) glossy finishing

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to Vinilflat Bronze Binder Toys A31138850y001, according to the following percentages:

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

## SPECIAL RECOMMENDATIONS

- Thinners 90.917 AND 90.927 are not recommended as they do not comply with Toys regulations.
- 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% Adhesion Promoter 90.908. Through the addition of such promoter, the ink has a pot-life of about 4-8 hours.
- For high frequency welding use A31238711E005 NERO PROF. SALD. 8141V1.

## 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.