Screen Printing Inks

VINILFLAT

Code A31138000

PRODUCT DESCRIPTION

Solvent based vinyl ink with matt finishing

APPLICATION FIELDS

VINILFLAT is mainly used for screen printing of advertising, POP, display and stickers. This product may also be used for printing of labels, truck tarpaulins and decorations onto wooden items.

This product is extremely versatile and multipurpose.

APPLICATION PROCESS

Substrates	Paper, paperboard, PVC, ABS, PES, PMMA, PS and wood
Th/cm	From 77 to 120
Emulsion	• ZERO - IN SV PLUS VIOLA • ZERO - IN SR-V
Squeegee	Suqare edge Squeegee hardness 70 - 75 Shores
Drying	Tack-free is reached at room temperature within 30 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%
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
Security Data Sheet	Available upon request

GENERAL FEATURES

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

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 30-35 m^2/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.

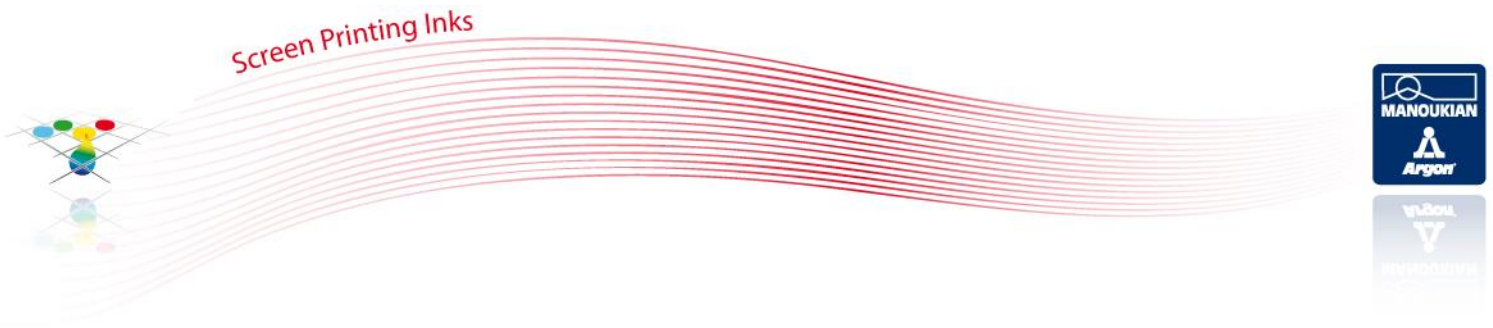
These data are highly influenced by the kind of substrate to be printed, the altitude, the geographical position and the air pollution.

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	PACKAGE
A31138100E00-	WHITE TOYS	1 Kg and 5 Kg
A31138101E00-	OPAQUE WHITE TOYS	1 Kg and 5 Kg
A31138024E00-	SUPER WHITE TOYS	1 Kg and 5 Kg
A31138700E00-	BLACK TOYS	1 Kg and 5 Kg
A31138711E001	NERO PROF. SALD. 8141V1	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A31138200Y001	PRIMEROSE YELL. TOYS	1 Kg
A31138201Y001	LEMON YELLOW TOYS	1 Kg
A31138202Y001	CHROME YELLOW TOYS	1 Kg
A31138301Y001	ORANGE TOYS	1 Kg
A31138302Y001	SCARLET TOYS	1 Kg
A31138303Y001	RED TOYS	1 Kg
A31138304Y001	RUBY RED TOYS	1 Kg
A31138305Y001	CARMINE RED TOYS	1 Kg
A31138343E001	OPAQUE PINK TOYS	1 Kg
A31138400E001	LIGHT BLUE TOYS	1 Kg
A31138401E001	COBALT BLUE TOYS	1 Kg
A31138403E001	ULTRAMAR. 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	PACKAGE
A3113829700-	YELLOW EUROPE TOYS	1 Kg and 5 Kg
A3113839700-	MAGENTA EUROPE TOYS	1 Kg and 5 Kg
A3113849700-	CYAN EUROPE TOYS	1 Kg and 5 Kg
A3113879700-	BLACK EUROPE TOYS	1 Kg and 5 Kg
A3113888000-	THIXOTROPIC GEL TOYS	1 Kg and 5 Kg

AMC BASES

CODE	PRODUCT	PACKAGE
A31138P200E001	AMC PRIMEROSE YELLOW	1 Kg
A31138P202E001	AMC CHROME YELLOW	1 Kg
A31138P301E001	AMC ORANGE	1 Kg
A31138P303E001	AMC RED	1 Kg
A31138P305E001	AMC CARMINE RED	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
A31138840E001	EXTENDER BASE	1 Kg

OTHER PRODUCTS

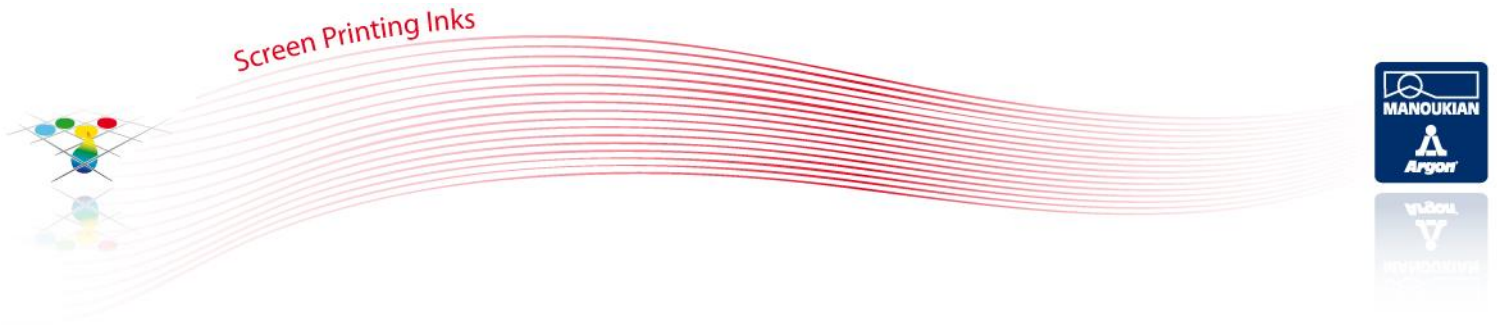
CODE	PRODUCT	PACKAGE
A31138800E001	TRANSPARENT BASE TOYS	1 Kg
A31138850Y001	BRONZE BINDER TOYS	1 Kg
A31138810E001	CUTTING PASTE TOYS	1 Kg

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 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.



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.