

Screen Printing Inks



UV TECH

Code A311105000

PRODUCT DESCRIPTION

Ultraviolet curing ink with glossy finishing

APPLICATION FILEDS

UV TECH is mainly used for printing of advertising, POP, display, stickers and graphic works in general.

This is an extremely versatile and multipurpose.

APPLICATION PROCESS

Substrates	Paper, PVC, PET, PS, ABS, PES, PC, PMMA, pre-varnished metal
Th/cm	Max. 165
Emulsion	<ul style="list-style-type: none"> ZERO - IN SV PLUS VIOLA ZERO - IN SRV
Squeegee	Square edge Squeegee hardness: from 70 to 85 Shores
Curing	UV lamps from 80 to 120 W/cm Carpet speed: 15-20 m/min Power: at least 100 mJ
Thinner	DILUENTE REATTIVO 100-900 (code A31810090000...) Max. 10%
Auxiliaries	FOTOINIZIATORE UV CONC. 100978 (code A318100978001) FOTOINIZIATORE CONC. IN PASTA (code A318100979001)
Adhesion promoter	PROMOTORE DI ADESIONE 1534 (code A318106835001) Max. 5%
Levelling agent	LIVELLANTE 90.970 (code A31890970000) Max. 2%
Cleaning	SOLVENTE LAVAGGIO LQ 90.920
Storage	If kept in a dark place, in its original sealed package, at a temperature of 20-25°C, the product has a shelf-life of about 1 year.
Package	See the PRODUCT RANGE table
Safety Data Sheet	Available upon request

GENERAL FEATURES

- Excellent opacity
- High glossy level
- Good chemical resistances
- No edge-curling
- Good adhesion onto different materials
- Multipurpose

PREPARATION

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

In case that viscosity reduction is needed, it is possible to add up to 10% **DILUENTE REATTIVO 100-900**.

TECHNICAL FEATURES

The performance of the product, printed with a 150 th/cm screen, is 70-80 m²/Kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment.

UV TECH 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.

In case that an increase in ink reactivity is required, it is possible to add up to 5% **FOTOINIZIATORE UV CONCENTRATO 100978** to transparent and whites, or **100979** to colours.

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PRODUCT RANGE

BLACKS and WHITES

CODE	PRODUCT	PACKAGE
A31110510000-	WHITE L	1 Kg and 5 Kg
A31110510100-	OPAQUE WHITE	1 Kg and 5 Kg
A31110511000-	MATT WHITE	1 Kg and 5 Kg
A31110570000-	BLACK M*	1 Kg and 5 Kg
A31110570100-	OPAQUE BLACK	1 Kg and 5 Kg
A31110571000-	MATT BLACK	1 Kg and 5 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A311105201001	LEMON YELLOW	1 Kg
A311105202001	CHROME YELLOW	1 Kg
A311105301001	ORANGE	1 Kg
A311105302001	SCARLET	1 Kg
A311105303001	RED	1 Kg
A311105304001	RUBY RED	1 Kg
A311105343001	PINK	1 Kg
A311105401001	COBALT BLUE	1 Kg
A311105403001	ULTRAMARINE BLUE	1 Kg
A311105440001	VIOLET	1 Kg
A311105540001	GREEN	1 Kg

COLORMATIC BASES

CODE	PRODUCT	PACKAGE
A311105P200001	LEMON YELLOW A	1 Kg
A311105P202001	GOLDEN YELLOW B	1 Kg
A311105P301001	ORANGE C	1 Kg
A311105P302001	RED D	1 Kg
A311105P303001	CARMINE E	1 Kg
A311105P342001	PINK F	1 Kg
A311105P404001	PERMANENT BLUE H	1 Kg
A311105P440001	BRIGHT VIOLET G	1 Kg
A311105P500001	PERMANENT GREEN K	1 Kg

*Colour to be used in the COLORMATIC formulae

FOUR-COLOUR PROCESS

CODE	PRODUCT	PACKAGE
A31110529700-	YELLOW PROCESS	1 Kg and 5 Kg
A31110539700-	MAGENTA PROCESS	1 Kg and 5 Kg
A31110549700-	CYAN PROCESS	1 Kg and 5 Kg
A31110579700-	BLACK PROCESS	1 Kg and 5 Kg
A31110588000-	TIXO GEL	1 Kg and 5 Kg
A311105881005	TIXO GEL HV	5 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31110580000-	TRANSPARENT BASE	1 Kg and 5 Kg
A311105850001	BRONZE BINDER	1 Kg
A311105810005	OPAQUE VARNISH	5 Kg

in order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to **UV TECH LEGANTE PER BRONZI A311105850001**, according to the following percentages:

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



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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.
- When beginning printing, always check the right curing of the ink.
- In order to improve adhesion on such substrates, that are difficult to be printed, it is possible to add up to 5% **PROMOTORE DI ADESIONE 1534**.
- In order to reduce ink viscosity, the use of **DILUENTE REATTIVO 100-900** up to a maximum 10% is recommended.
- In order to increase the ink reactivity is recommended to add up to 5% **FOTOINIZIATORE UV CONCENTRATO 100978** in the transparent and white inks, and **FOTOINIZIATORE UV CONCENTRATO PASTA 100979** in the colours.

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.