

Screen Printing Inks



THERMOFORM

Code A311101000M

PRODUCT DESCRIPTION

Ultraviolet curing ink with glossy finishing

APPLICATION FIELDS

THERMOFORM series is mainly used for such applications requiring extreme flexibility or thermoforming.

It is possible to realize advertising, POP, signs, bike helmets and refrigerators.

APPLICATION PROCESS

Substrates	PVC, PS, ABS, PET-G, PC, PMMA
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 150 mJ
Thinner	DILUENTE REATTIVO THERMOFORM (code A318101900001) Max. 10% HI-FORM REACTIVE THINNER (code A318101901001) Max. 10%
Auxiliaries	FOTOINIZIATORE UV CONC. 100978 (code A318100978001) FOTOINIZIATORE CONC. IN PASTA (code A318100979001)
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
Security Data Sheet	Available upon request

GENERAL FEATURES

- High thermoformability
- High elasticity of the applied film
- Completely NVP-free
- Good opacity
- Heavy metal-free pigments
- AMC bases are available for the realization of Pantone® colours

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 THERMOFORM** or **HI-FOM REACTIVE**.

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.

THERMOFORM 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.

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
A311101100M001	WHITE	1 Kg
A311101102M001	BACKGROUND WHITE	1 Kg
A311101700M001	BLACK	1 Kg
A311101701M001	OPAQUE BLACK	1 Kg

OPAQUE COLOURS

CODE	PRODUCT	PACKAGE
A311101201M001	LEMON YELLOW	1 Kg
A311101202M001	CHROME YELLOW	1 Kg
A311101302M001	SCARLET	1 Kg
A311101303M001	RED	1 Kg
A311101304M001	RUBY RED	1 Kg
A311101343M001	PINK	1 Kg
A311101401M001	COBALT BLUE	1 Kg
A311101403M001	ULTRAMARINE BLUE	1 Kg
A311101440M001	VIOLET	1 Kg
A311101540M001	GREEN	1 Kg

AMC BASES

CODE	PRODUCT	PACKAGE
A311101P200M001	AMC PRIMEROSE YELL.	1 Kg
A311101P202M001	AMC CHROME YELLOW	1 Kg
A311101P301M001	AMC ORANGE	1 Kg
A311101P302M001	AMC SCARLET	1 Kg
A311101P303M001	AMC RED	1 Kg
A311101P342M001	AMC PINK	1 Kg
A311101P404M001	AMC BLUE	1 Kg
A311101P440M001	AMC VIOLET	1 Kg
A311101P500M001	AMC GREEN	1 Kg

FOUR-COLOUR PROCESS

CODE	PRODUCT	PACKAGE
A311101296M001	BL TRIC. YELLOW	1 Kg
A311101396M001	BL TRIC. MAGENTA	1 Kg
A311101496M001	BL TRIC. CYAN	1 Kg
A311101796M001	BL TRIC. BLACK	1 Kg
A311101880M001	THIXOTROPIC GEL	1 Kg

OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A311101850M001	BRONZE BINDER	1 Kg
A311101890M005	VERNICE OVERPRINT AR	5 Kg

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to **THERMOFORM LEGANTE PER BRONZI A311101850M001**, according to the following percentages:

- 10-15% silver powder
- 15-20% golden powder
- 15-20% 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 reduce ink viscosity, it is recommended to use only **DILUENTE REATTIVO THERMOFORM** or **HI-FOM REACTIVE** up to 10%.
- In order to reduce possible blocking problems, add to the ink up to 10% **ANTIBLOCKING ADDITIVE** (code A312100052001).

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.