

UV Form

Code A311123000

PRODUCT DESCRIPTION

Ultraviolet curing ink with glossy finishing.

APPLICATION FIELDS

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

It is possible to realize visuals, labels, helmets and refrigerators.

APPLICATION PROCESS

Substrates	PVC, PS, ABS, PET-G, PC, PMMA
Th/Cm	Max. 165 Th/Cm
Emulsion	<ul style="list-style-type: none"> • <i>Zero - In SV Plus Viola</i> • <i>Zero - In SRV</i>
Squeegee	Square edge Squeegee hardness: form 70 to 85 Shores
Curing	UV lamps from 80 to 120 W/cm Carpet speed: 15-20 m/min Power: at least 200 mJ/cm ²
Thinner	<i>UV Form Reactive Thinner</i> (code A318123900001) Max. 10%
Auxiliaries	<i>Concentrated Photoinitiator UV 100.978</i> (code A318100978001)
Levelling Agent	<i>Levelling Agent 90.970</i> (code A31890970000) Max. 2%
Cleaning	<i>Solvent LQ 90.920</i>
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 on request

GENERAL FEATURES

- High thermoformability
- High elasticity of the applied film
- Completely NVP-free
- Good opacity
- Heavy metal-free pigments

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% *UV Form Reactive Thinner*.

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 Form* series has an outdoor resistance (inclement 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% *Concentrated Photoinitiator UV 100.978*

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 *Reactive Thinner UV Form* up to 10%.
- In order to reduce possible blocking problems, add to the ink up to 10% *Anti-Blocking Additive* (code A312100052001).

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to *UV Thermo Bronze Binder* A311123850001, according to the following percentages:

- 10-15% silver powder
- 15-20% golden powder
- 15-20% fluorescent pigment
- 3-5% mattifying powder

AMC bases are available upon request for the reproduction of different colors.

PRODUCT RANGE

BLACKS and WHITES

CODE	PRODUCT	PACK.
A311123100001	UV Form WHITE	1 kg
A311123102001	UV Form BACKING WHITE	1 kg
A311123700001	UV Form BLACK	1 kg
A311123701001	UV Form OPAQUE BLACK	1 kg

AMC Dyes

CODICE	PRODOTTO	CONF.
A311123P200001	UV Form AMC PRIMROSE YELLOW	1 kg
A311123P202001	UV Form AMC CHROME YELLOW	1 kg
A311123P301001	UV Form AMC ORANGE	1 kg
A311123P302001	UV Form AMC RED SCARLET	1 kg
A311123P303001	UV Form AMC RED	1 kg
A311123P342001	UV Form AMC PINK	1 kg
A311123P404001	UV Form AMC BLUE	1 kg
A311123P440001	UV Form AMC VIOLET	1 kg
A311123P500001	UV Form AMC GREEN	1 kg

OTHER PRODUCTS

CODE	PRODUCT	PACK.
A311123850001	UV Form BRONZE BINDER	1 kg
A311123890005	UV Form VERNICE OVERPRINT	5 kg

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.