

# Unifast

Code A31132000

## PRODUCT DESCRIPTION

Ultraviolet curing ink with glossy finishing.

## APPLICATION FIELDS

*Unifast* series is highly versatile and multipurpose, indicated for graphic printing of visual and labels. It is also indicated for reel-to-reel printing through Flat-Bed machines.

## APPLICATION PROCESS

<b>Substrates</b>	Paper, plasticized paper, PVC and other plastic materials
<b>Th/Cm</b>	Max. 165 Th/Cm
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• <i>Zero - In SV Plus Viola</i></li> <li>• <i>Zero - In SRV</i></li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness: form 70 to 85 Shores
<b>Curing</b>	UV lamps from 80 to 120 W/cm Carpet speed: 15-20 m/min Power: at least 200 mJ/cm <sup>2</sup>
<b>Thinner</b>	<i>32.900 Reactive Thinner</i> (code A31832900001) Max. 10%
<b>Auxiliaries</b>	<i>Concentrated Photoinitiator UV 100.978</i> (code A318100978001) Max. 5%
<b>Adhesion Promoter</b>	<i>Adhesion Promoter 100.835</i> (code A318100835001) Max. 5% <i>Adhesion Promoter UV 772</i> (code A318100972001) Max. 10%
<b>Levelling Agent</b>	<i>Levelling 90.970</i> (code A31890970000) Max. 2%
<b>Cleaning</b>	<i>Solvent LQ 90.920</i>
<b>Storage</b>	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
<b>Package</b>	See the product range table
<b>Safety Data Sheet</b>	Available on request

## GENERAL FEATURES

- Flexible
- High glossy level
- Excellent opacity
- Quick curing
- HDDA and TMPTA-free
- Heavy metal-free
- Pantone® colour matching system

## PREPARATION

Before using it, the ink must be mixed well and, in case, diluted, according to printing requirements, by adding up to 10% *Unifast 32.900 Reactive Thinner*.

## TECHNICAL FEATURES

The performance of the product, printed with a 150 th/cm screen, is 70-80 m<sup>2</sup>/Kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment. *Unifast* 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% *Concetrated 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.
- 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% *Adhesion Promoter 100.835*.
- If a good adhesion onto metal is required, it is possible to add up to 10% *Adhesion Promoter UV 772*.
- In order to reduce ink viscosity, it is recommended to use only *Unifast 32.900 Reactive Thinner* up to a maximum 10%.

## PRODUCT RANGE

### BLACKS and WHITES

CODE	PRODUCT	PACK.
A31132100001	WHITE	1 kg
A3113210200-	BACKGROUND WHITE	1 and 5 kg
A31132700001	BLACK	1 kg
A31132701001	OPAQUE BLACK	1 kg
A3113270200-	DENSE BLACK	1 and 5 kg

### OPAQUE COLOURS

CODE	PRODUCT	PACK.
A31132201001	LEMON YELLOW	1 kg
A31132202001	CHROME YELLOW	1 kg
A31132301001	ORANGE	1 kg
A31132302001	RED SCARLET	1 kg
A31132303001	RED	1 kg
A31132304001	RUBY RED	1 kg
A31132343001	PINK	1 kg
A31132401001	COBALT BLUE	1 kg
A31132403001	ULTRAMARINE BLUE	1 kg
A31132440001	VIOLET	1 kg
A31132540001	GREEN	1 kg

## AMC BASES

CODE	PRODUCT	PACK.
A31132P200001	AMC PRIMEROSE YELL.	1 kg
A31132P202001	AMC CHROME YELLOW	1 kg
A31132P301001	AMC ORANGE	1 kg
A31132P302001	AMC RED SCARLET	1 kg
A31132P303001	AMC RED	1 kg
A31132P342001	AMC PINK	1 kg
A31132P404001	AMC BLUE	1 kg
A31132P440001	AMC VIOLET	1 kg
A31132P500001	AMC GREEN	1 kg

## OTHER PRODUCTS

CODE	PRODUCT	PACKAGE
A31132800001	TRANSPARENT BASE	1 kg
A31132850001	BRONZE BINDER	1 kg
A31832900001	REACTIVE THINNER	1 l

In order to prepare metal or fluorescent colours, it is possible to add pigments (code A31196000) to *Unifast Bronze Binder A31132850001*, according to the following percentages:

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

### 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.