

UV Thickness Transparent

Code M415010K005000

PRODUCT DESCRIPTION

Ultraviolet curing semi-glossy ink for 3D printing.

APPLICATION FIELDS

UV Thickness Transparent is a UV transparent semi-glossy varnish for printing of 3D effects. It may be used also as a binder for metal powders and glitters.

APPLICATION PROCESS

Substrates	PAPER, PLASTICIZED PAPER, PVC, ABS, PET-G, PES AND PS
Th/Cm	From 24 to 150 Th/cm
Emulsion	See the product range table
Squeegee	Square edge Squeegee hardness 70-75 Shores
Curing	UV lamps from 80 to 120 W/cm Carpet speed: 15-20 m/min Power: at least 150 Mj/cm ²
Thinners	Reactive Thinner 100.900 (code A31810090000...) Max.5%
Auxiliaries	Concentrated Photoinitiator UV 100.978
Adhesion promoters	Adhesion Promoter 100.835 (code A318100835001) Max. 5%
Levelling agent	Levelling 90.970 (code A31890970000) max. 2%
Cleaning	Solvent 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.
Packaging	5 kg
Safety data sheet	Available upon request

GENERAL FEATURES

- Good transparence
- Ready to use
- Good curing speed
- High viscosity for 3D effects

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 5% Reactive Thinner 100.900.

TECHNICAL FEATURES

The performance of the product, printed with a 120 th/cm screen, is 50-60 m²/kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment. In case that an increase in ink reactivity is required, it is possible to add up to 5% Concentrated Photoinitiator UV 100.978.

SPECIAL RECOMMENDATIONS

- 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 (pot-life 4-8 hours).
- In order to obtain a good 3D effect, it is recommended to use screens with at least 80- 100 micron photo emulsion thickness.

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.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.