

Polikast Glossy Overprint Varnish for Paper and OPP

Code A31139895M

PRODUCT DESCRIPTION

Ultraviolet curing overprint varnish with glossy finishing.

APPLICATION FIELDS

This varnish is particularly indicated for such applications requiring very glossy finishing and high chemical and mechanical resistances.

APPLICATION PROCESS

Substrates	PAPER, PLASTICIZED PAPER, PES, PP and PE TREATED
Th/Cm	From 120 to 165 Th/cm
Emulsion	See the product range table.
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/cm ²
Thinner	Reactive Thinner 100.900 Max. 10%
Auxiliaries	Concentrated Photoinitiator UV 100.978 Max. 5%
Adhesion Promoter	Adhesion Promoter 100.835 Max. 5%
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.
Package	5 and 25 kg
Safety Data Sheet	Available on request

GENERAL FEATURES

- High transparence
- Excellent chemical resistances
- Excellent mechanical resistances
- High printability
- Excellent adhesion on plasticized paper

PREPARATION

Mix the product well, before using it. This varnish is ready to use, but, 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. In case that an increase in ink reactivity is required, it is possible to add up to 5% Concentrated Photoinitiator UV 100.978.

Due to the peculiar characteristic of low yellowing, the mass paint appears purplish in colour.

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 have better adhesion results, it is recommended to have a surface tension of the material of at least 48 dynes/cm.



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.