

## PRODUCT GROUP 300

### Series 320

Solvent Based Screen Printing Ink for Plastics, Jet-version



Highly opaque, silky glossy screen printing ink, based on extremely resistant raw materials for double-sided printing of various rigid plastics on fast running printing machines. The formulation of Series 320 does not contain any PVC-binders and offers therefore – especially in conjunction with recycling – interesting possibilities for printing of packaging's and recyclable materials.

Since raw materials have been chosen for high quality requirements, outdoor use, as well as the additional bonding with corresponding hardeners is a given fact. This increases chemical resistance (especially alcohol resistance), partially also adhesion as well as weather resistance, i.e. Series 600-HDA or Series 600-HDS (outdoor use) or Series 600-HDI (indoor use); addition ratio 10% by weight. In some rare cases, hardener bonding leads to embrittlement and therefore deterioration of the adhesion results.

For a long term outdoor use of the finished printings – without change of the optical properties – overprinting with appropriate light protection varnishes is recommended. Out of the Printcolor product range, we would suggest the special varnish, Series 386-5700 which is also compatible with Series 320. Attention has only to be paid in connection with materials, containing lots of plasticizers, especially PVC adhesive foils or PVC mesh materials. In some unfortunate cases it can happen, that the solvents are penetrating through the substrate.



DIGITAL

#### SUBSTRATES

Soft- / Rigid-PVC	Polyester, coated	Polycarbonate	Coatings
Polyolefin foils, coated or primered	Cellulose acetate, CAB	Papers, paperboards, cardboards	Polystyrene, ABS, SAN



FLEXO

#### USE

<b>Application</b>	Plastics for advertising and displays, in this case especially for double-sided applications, label- and stickers printing, decoration of paper and paperboards
	Industrial and graphical applications for indoor as well as for outdoor use



FUNCTIONAL COATINGS

#### PROPERTIES, PROCESSING, DRYING AND MESH

<b>Mesh</b>	77-55 Y PW PET 1000 up to 120-34 Y PW PET 1000
<b>Drying / Curing</b>	Jet / air, optionally oven drying
<b>Further Processing</b>	Punching, cutting, grooving



PAD

#### ADDITIVES

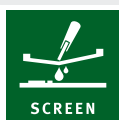
<b>Thinner</b>	Series 300-017	<b>Addition Ratio</b>	10 - 20 % by weight
<b>Retarder</b>	Series 300-018	<b>Addition Ratio</b>	10 - 20 % by weight



PREPRESS

#### VARIOUS

<b>Delivery Conditions</b>	1 kg / 5 kg / 25 kg
<b>Other</b>	Stir well before use



SCREEN

#### Disclaimer

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (03/2009)