

## PRODUCT GROUP 700

### Series 740

#### UV-Pad Printing Ink



Highly glossy, almost universally useable UV-curable pad printing ink for decorative and functional printing of various plastics, glass and metal. Series 740 is a user-friendly system in the technical-industrial fields of applications for highest chemical and mechanical requirements. This ink system combines the advantage of fast curing of UV-polymerizing inks with extremely high resistance; comparable to conventional 2-component inks.

For better resistance and adhesion, i.e. on glass, hardener Series 700-GL (addition up to 5% by weight) can be added. Furthermore, use of hardener, Series 500-GL (addition up to 10% by weight) would result in better resistance and adhesion on difficult substrates, especially metal.

All MS-basic colors are available in Series 740. Furthermore, White (ST-00) and Black (ST-33) are offered. Creation of ST-Gold and ST-Silver color shades are also possible.



DIGITAL

#### SUBSTRATES

Rigid-PVC	Polyolefin, pre-treated	Polystyrene, ABS, SAN	Duroplastic materials
PMMA	Polycarbonate	PET-A / -G / -GAG	ABS, SAN
Metals	Glass	Coatings	



FLEXO

#### USE

<b>Application</b>	Plastics for technical applications and industrially orientated printing segments (automotive industry, electronics, pharmaceutical items, tools, toys, a. s. o.)
	Decorative and functional printing of glass for furniture and appliances as well as glass front sides of slot machines, décor-glasses and various metal applications on ferro-magnetic and non-ferrous metals.



FUNCTIONAL COATINGS

#### PROPERTIES, PROCESSING, DRYING AND CLICHÉ

<b>Cliché</b>	Steel / Polymer, screened
<b>Drying / Curing</b>	500-600 mJ/cm <sup>2</sup> (Technigraf Integrator)
<b>Further Processing</b>	Usual process



PAD

#### ADDITIVES

<b>Thinners</b>	Series 10-0795	<b>Addition Ratio</b>	15 % by weight
	Series 700-041 or 700-200	<b>Addition Ratio</b>	5-15 % by weight
	Mixtures of these thinners are possible, addition ratio totally app. 20 % by weight		
<b>Hardener for glass</b>	Series 700-GL	<b>Addition Ratio</b>	max. 5 % by weight
<b>Hardener</b>	Series 500-GL	<b>Addition Ratio</b>	max. 10 % by weight



PREPRESS



SCREEN



VARIOUS	
<b>Delivery Conditions</b>	1 kg / 5 kg / 20 kg
<b>Other</b>	Stir well before use; protect from direct light



**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. (02/2011)