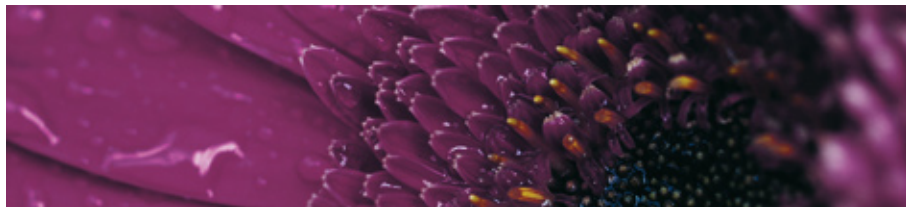




## PRODUCT GROUP 500

### Series 565

UV-Screen Printing Ink, flexible



Exceptionally glossy UV-screen printing system, based on highly flexible basic raw materials for decorative and functional printing of various thermo deformable plastics.

Principally, this elastic UV-system is suitable for thermoforming, punching (also for cold processes), edging, embossing or other deformations. In any case, sincere pre-tests are compulsory, plastic substrates generally intend to polymerize (embrittlement) because of the UV-radiation and post-polymerizing effect (for example, PET-G, PVC, PS).

In practice, lots of packaging's, hollow items and tubes, displays, advertising material, illuminated printings (for indoor as well as for outdoor use), PP-materials and a lot more can be printed in a durable and value maintaining way with Series 565. The glossy surface guarantees an exceptionally high mechanical protection as well as an increased abrasion resistance.

The tendency to shrink of the used basic materials allows printing of sensitive self adhesive foils with a minimum affinity to undesired over-curing (brittle) and edge scrolling effect. Thanks to the careful choice of raw materials, Series 565 shows a good outdoor resistance; this outdoor resistance can even be increased by additional over-lacquering with UV light protection varnish Series 575-016.

Restricted is only the bloc resistance (caused by temporary building-in of thermoplastic materials) and the resistance against chemicals, especially alcohol.



#### SUBSTRATES

Polypropylene	OPP laminate, paper, paperboards, cardboards	PMMA (pre-tests!) Polycarbonate	Rigid PVC PVC self adhesive foil
Polystyrene, ABS, SAN	Polyester (primered) PET-G, PET-A	Melamines	Composites (Alucobond, Dibond, Vekaplan VL)



#### USE

<b>Application</b>	Decorative and functional printing of plastics and coatings which are mechanically being claimed when further processing but at the same time have to guarantee for a long-term flexibility
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#### PROPERTIES, PROCESSING, DRYING AND MESH

<b>Mesh</b>	77-55 Y PW PET 1000 up to 150-31 Y PW PET 1000
<b>Drying / Curing</b>	350-650 mJ/cm <sup>2</sup>
<b>Further Processing</b>	Punching, cutting, folding, grooving, embossing, thermoforming



#### ADDITIVES

<b>Thinner</b>	Press-ready	<b>Addition Ratio</b>	-
<b>Retarder</b>	Press-ready	<b>Addition Ratio</b>	-



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**VARIOUS**

**Delivery Conditions**

1 kg / 5 kg / 20 kg

**Other**

Stir well before use; protect from direct light.

Should modifications be necessary (in case of special requirements), the user still has the possibility to utilize of the relevant UV thinner (Series 565 017) or initiators (Series 500 019 for white colors and Series 500 020 for colored shades).

**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. (01/2009)



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