printcolor ©
high performance inks

Series 560

Universal UV Screen Printing Ink for Plastics, Paper and Cardboard

Silky glossy UV screen printing ink, Series 560 for universal use on various substrates. The cured ink film is characterized by good flexibility.

Typical applications are stickers, displays, posters, print-finishing of paper and cardboard and signs.

Applications

› Stickers
› Displays
› Posters

› Print-finishing of paper and cardboard
› Signs
› Promotional material

Substrates

Substrate	Suitability	Hints
Primered / coated foils	★★★★	
Paper / cardboard, offset printed	★★★★	
Paper, cardboard	★★★★	Uncoated papers after preliminary tests.
PET-G / PET-GAG	★★★★	
Polypropylene (PP), pre-treated	★★★★	
Polystyrene (PS), mat	★★★★	
soft PVC self-adhesive foils	★★★★	
ABS, SAN	★★★	
Rigid PVC	★★★	
Rigid PVC, foamed	★★★	
Wood, non-coated	★★★	
OPP-Laminate	★★★	
Polycarbonate (PC)	★★★	
Polyester, primered	★★★	
Polystyrene (PS), injection-molded parts of acryl glass	★★★	Preliminary tests mandatory.
PET-A	★	
Polypropylene (PP), non pre-treated	★	Preliminary tests mandatory.

Legend	★★★★★ Very well suited	★ Detailed pre-tests necessary

Note: a complete overview of all substrates related to product group 500 can be found: www.printcolor.ch/bedruckstoffe

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TECHNICAL DATA SHEET

Properties / Characteristics

Feature	Rating	Hints
Alcohol- and gasoline resistance	★★	
Resistance to adhesives	★★	
Block resistance	★★★	
Flexibility	★★★★	
Gloss	★★★	Silky glossy
Resistance to hand sweat	★★★★	
Light fastness	★★★	See technical information: Light fastness
Abrasion resistance	★★★	
Pigmentation	★★★★★	
Sieve openness	k. A.	
Temperature resistance	★★★	
Curing	★★★	
Moldability	★★	
Water resistance	★★★	
Weather resistance	★★★	

legend ★★★★★ Very good product properties n/a No information available
★ Product properties not available

Product Range

MS Basic Colors

Article no.	Color	HP				Article no.	Color	HP			
560-1005	MS light yellow	•				560-3305	MS magenta	•			
560-1105	MS medium yellow	•				560-4005	MS violet	•			
560-1205	MS dark yellow	•				560-4505	MS dark blue	•			
560-2005	MS orange	•				560-5005	MS blue	•			
560-3005	MS red	•				560-6005	MS green	•			
560-3105	MS magenta red	•				560-8005	MS black	•			
560-3205	MS dark red	•				560-9005	MS white	•			

HP High pigmented

Note: all abbreviations used in this chart are explained in detail on the last page of this data sheet.

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TECHNICAL DATA SHEET

Other Colors

ST Metallics	www.printcolor.ch/stcolorguide or ST Color Chart	
ST Neon Colors	www.printcolor.ch/stcolorguide or ST Color Chart	
Process Colors	Series 560-09x3/ISO-N	
Special Colors	Pantone®, HKS, RAL and after customer sample	
UV Luminescent Colors	Series 560-UL09/05	UV luminescent ink, yellow
	Series 560-UL16/05	UV luminescent ink, red
	Series 560-UL26/05	UV luminescent ink, blue
	Series 560-UL30/05	UV luminescent ink, green
Others	Series 560-00	ST opaque white
	Series 560-04	Thixotropic paste
	Series 560-05	ST varnish
	Series 560-33	ST opaque black

Additives

Thinner	Series 500-017	Addition ratio	Max. 5% by weight

Note: a detailed overview of all available additives can be found in a separate data sheet.

Processing

Mesh

All commercially available polyester mesh from 150 up to 165 threads/cm can be used.

Stencils

All commercially available stencils can be used.

Curing

Curing of Series 560 depends on the layer thickness as well as on the substrate and the additives used.

Usual parameters are:

UV Dryer	The energy requirements for use of a mesh 150.31 (depending on the color shade) are 350-450 mJ/cm^2 (Technigraf integrator) on a white substrate.

Further Processing

› Punching	› Grooving*
› Cutting	› Folding*
› Embossing*	

* after preliminary tests

Cleaning

Intermediate cleaning of stencils and squeegees should be done in a timely manner with Series 500-BRS. Final cleaning can be done with Series 500-URS.

Special Features & Tips

Curing	Series 560 is a post curing UV system (approx. 24 hours).

Productivity

Depending on the color shade, a productivity of 75-95 m^2/kg is to be expected with press-ready ink and use of a mesh 150.31.

Others

Delivery	1 kg / 5 kg / 20 kg
Certificates / Standards	www.printcolor.ch/certificates
other	Stir well before use.
	Information on shelf life can be found on the cover label.

Basic Color Systems

HP   Basic Color Mixing System with high pigmented basic colors.

Safety Information

Actual Material Safety Data Sheets according to EC-Regulation 1907/2006 are available for all products, mentioned in this data sheet.

Issued on	Revision on	Edited by	Version
05/08/2015	08/12/2016	T21 / T06	3

Important Information

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.