

# Series 567

## Universal UV Screen Printing Ink for Plastics

Highly glossy UV screen printing gink, Series 567. This series is based on resistant raw materials for functional and decorative printing of plastics and coatings.

The cured ink film is block resistant and suitable for medium-term outdoor use. Typical applications are labels, signs and promotional materials.

### Applications

- › Signs
- › Cover plates
- › Displays
- › Promotional material
- › Labels
- › Hollow parts
- › Tubes

### Substrates

Substrate	Suitability	Hints
Rigid PVC	★★★★	
Polystyrene (PS), injection-molded parts of acryl glass	★★★★	
Polystyrene (PS), mat	★★★★	
Tritan™ (copolyester)	★★★★	
ABS, SAN	★★★	
Primered / coated foils	★★★	
Wood, uncoated	★★★	
Coated surfaces / powder coatings	★★★	
Paper, cardboard	★★★	
Paper / cardboard, offset printed	★★★	
PET-G / PET-GAG	★★★	
Polycarbonate (PC)	★★★	
Polyester, primered	★★★	
Polystyrene (PS), glossy	★★★	
soft PVC self-adhesive foils	★★★	
PET-A	★	
Composite materials	★	

**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](http://www.printcolor.ch/bedruckstoffe)

Properties / Characteristics

Feature	Rating	Hints
Alcohol- and gasoline resistance	★★★★★	
Resistance to adhesives	★★★★★	
Block resistance	★★★★★	
Flexibility	★★	Maximum two layers should be printed on soft materials.
Gloss	★★★★★	Highly glossy
Resistance to hand sweat	★★★★★	
Light fastness	★★★★	See technical information: Light fastness
Abrasion resistance	★★★★★	
Pigmentation	★★★★★	
Sieve openness	k. A.	
Temperature resistance	k. A.	
Curing	★★★★	
Moldability	k. A.	
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		
567-1005	MS light yellow	•			567-3305	MS magenta	•		
567-1105	MS medium yellow	•			567-4005	MS violet	•		
567-1205	MS dark yellow	•			567-4505	MS dark blue	•		
567-2005	MS orange	•			567-5005	MS blue	•		
567-3005	MS red	•			567-6005	MS green	•		
567-3105	MS magenta red	•			567-8005	MS black	•		
567-3205	MS dark red	•			567-9005	MS white	•		

**HP** High pigmented

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

## Other Colors

<b>ST Metallics</b>	<a href="http://www.printcolor.ch/stcolorguide">www.printcolor.ch/stcolorguide</a> or ST Color Chart	
<b>ST Neon Colors</b>	<a href="http://www.printcolor.ch/stcolorguide">www.printcolor.ch/stcolorguide</a> or ST Color Chart	
<b>Process Colors</b>	Series 567-09x3/ISO-N	
<b>Special Colors</b>	Pantone <sup>®</sup> , HKS, RAL and after customer sample	
<b>UV Luminescent Colors</b>	Series 567-UL09/05	UV luminescent ink, yellow
	Series 567-UL16/05	UV luminescent ink, red
	Series 567-UL26/05	UV luminescent ink, blue
	Series 567-UL30/05	UV luminescent ink, green
<b>Others</b>	Series 567-00	ST opaque white
	Series 567-04/ISO	Thixotropic paste
	Series 567-05	ST varnish
	Series 567-33	ST opaque black
	Series 567-5700	UV Photoprotective varnish

## Additives

Thinner	Series 500-017	Addition ratio	Max. 5% by weight
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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 567 depends on the layer thickness as well as on the substrate and the additives used.

Usual parameters are:

<b>UV Dryer</b>	The energy requirements for use of a mesh 150.31 (depending on the color shade) are 250-350 mJ/cm <sup>2</sup> (Technigraf integrator) on a white substrate.
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### Further Processing

- › Punching
- › Cutting

### 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.

## Productivity

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

## Others

<b>Delivery</b>	1 kg / 5 kg / 20 kg
<b>Certificates / Standards</b>	<a href="http://www.printcolor.ch/certificates">www.printcolor.ch/certificates</a>
<b>other</b>	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
11/02/2015	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.