

Series 384

Solvent-Based Screen Printing Ink for Soft PVC

Series 384 is a silky-glossy and highly pigmented screen printing ink, based on highly resistant raw materials for printing on highly plasticized PVC materials.

Series 384 is typically used on PVC tarpaulins and for the printing of book covers, stickers and displays.

Application

- › Book covers made of soft PVC
 - › PVC tarpaulins and banners
 - › Stickers
- › Promotional material
 - › Displays
 - › Signs

Substrates

Substrate	Rating	Hints
Soft PVC tarpaulins	★★★★★	
Soft PVC self-adhesive foils	★★★★★	
Rigid PVC, foamed	★★★★	
Primered/coated foils	★★★	
Rigid PVC	★★★	
Paper, cardboard	★★	
Legend	★★★★★ Very well suited	★ Detailed pre-tests necessary

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 info: Light fastness
Resistance against marking	★★★★	
Pigmentation	★★★★★	
Sieve openness	★★★★	
Temperature resistance	★★★	
Drying	★★★	
Moldability	★★★★	
Weather resistance	★★★★	
Legend	★★★★★ Very good product properties ★ Product properties not available	n/a No information available

Product Range

MS Basic Colors

Article	Color	HP	OR	Article	Color	HP	OR
388-1000	MS light yellow	•		388-3000	MS red	•	
388-1010	MS yellow		•	388-3100	MS magenta red	•	
388-1050	MS pure yellow		•	388-3200	MS dark red	•	•
388-1100	MS medium yellow	•	•	388-3300	MS magenta	•	•
388-1150	MS dark yellow	•	•	388-4000	MS violet	•	•
388-1200	MS dark yellow	•		388-5000	MS blue	•	•
388-1300	MS yellow orange		•	388-6000	MS green	•	•
388-1850	MS pure orange		•	388-7000	MS brown	•	
388-2000	MS orange	•		388-8000	MS black	•	•
388-2950	MS red		•	388-9000	MS white	•	•

OR Outdoor-resistant **HP** Highly pigmented

Note I: The MS basic inks must be processed in combination with 20% by weight of binder Series 384-07.

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

Other Colors

ST Colors	ST Color Chart / www.printcolor.ch/stcolorguide	
ST Metallics	ST Color Chart / www.printcolor.ch/stcolorguide	
ST Neon Colors*	ST Color Chart / www.printcolor.ch/stcolorguide	
Special Colors	Pantone [®] , HKS, RAL and after customers sample	
Others	Series 384-00	ST white
	Series 384-04	ST transparent paste
	Series 384-05	ST varnish
	Series 384-05/MT	ST varnish, mat
	Series 384-06	Retarder paste
	Series 384-07	Binder, glossy
	Series 384-33	ST black

* Note: The Neon Colors are not suitable for medium or long-term outdoor use. The contained fluorescent pigments are not resistant to direct sunlight and fade.

Auxiliaries

Thinner	Series 300-017	Addition ratio	15 – 30 % by weight
Thinner for process colors	Series 300-017/ISO	Addition ratio	15 – 30 % by weight
Retarder	Series 300-018	Addition ratio	max. 20 % by weight
Retarder for process colors	Series 300-018/ISO	Addition ratio	max. 15 % by weight
Accelerator	Series 300-019	Addition ratio	15 – 30 % by weight

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

Processing

Mesh

All commercially available polyester can be used.

Stencils

All commercially available and solvent resistant stencils can be used.

Drying

Drying of Series 384 depends on the layer thickness as well as on the substrate and the auxiliaries used.

Usual parameters (without addition of retarder):

Air	Physically fast drying at 20°C ambient temperature / 50% relative humidity. Overprintable after 5-10 minutes.
Continuous dryer	Depending on dryer capacity, the print is stackable after 30-60 seconds. The recommended drying temperature lies between 40-60°C.

Further Processing

- | | |
|--------------|------------|
| › Punching | › Grooving |
| › Cutting | › Molding |
| › Laminating | › Folding |

Cleaning

Stencils and squeegees should timely be cleaned with the products of series 300-URS or series 300-BRS

Special Features & Tips

MS mixing system	MS ink Series 388 + 20% by weight of binder Series 384-07
Plasticizer migration	The variety of available plasticized PVC materials make preliminary tests imperative.
Pre-cleaning	Surface contamination can be removed with cleaner, Series 10-0588.

Productivity

Depending on the color shade and the substrate, a productivity of 50-70 m²/kg is to be expected with the press-ready ink and use of a mesh 120.34 (20% thinning).

Others

Delivery	1 kg / 5 kg / 25 kg
Certificates / Standards	www.printcolor.ch/certificates
Third party applications (after pre-tests)	Addition: always with 30 % binder Roll and spray applications: thinner Series 300-743 Spray applications: thinner Series 300-377 (metered/dosed addition)
Other	Stir well before use. Information on shelf life can be found on the cover label.

Basic Color Systems

- HP** Basic mixing system with highly pigmented primary colors
- OR** Outdoor-resistant basic colors for a long-term outdoor use.

Safety Information

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

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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.