



### Characteristics

| Feature                          | Rating | Hints   |
|----------------------------------|--------|---|
| Alcohol- and gasoline resistance | ★★★    | Use of Series 600-HDA (5-10 %) to further improve resistance. |
| Resistance to adhesives          | ★★★    |   |
| Block resistance                 | ★★★    |   |
| Flexibility                      | ★★★★★  |   |
| Gloss                            | ★★★★   | Glossy  |
| Resistance to hand sweat         | ★★★★   |   |
| Light fastness                   | ★★★★   | See technical information: light fastness                     |
| Abrasion resistance              | ★★★★   |   |
| Pigmentation                     | ★★★★★  |   |
| Screen openness                  | ★★★    |   |
| Temperature resistance           | ★★★    |   |
| Drying                           | ★★★    |   |
| Moldability                      | ★★★★★  |   |
| Weather resistance               | ★★★★   |   |

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

### Product Range

#### MS Basic Colors

| Article  | Color            | HP | HR | HT | HL | Article  | Color          | HP | HR | HT | HL |
|----------|------------------|----|----|----|----|----------|----------------|----|----|----|----|
| 388-1000 | MS light yellow  | •  |    |    |    | 388-3100 | MS magenta red | •  |    | •  |    |
| 388-1010 | MS yellow        |    | •  |    |    | 388-3150 | MS medium red  |    | •  | •  |    |
| 388-1020 | MS real yellow   |    | •  |    |    | 388-3200 | MS dark red    | •  | •  | •  |    |
| 388-1050 | MS pure yellow   |    |    | •  |    | 388-3300 | MS magenta     | •  | •  | •  |    |
| 388-1100 | MS medium yellow | •  |    | •  |    | 388-4000 | MS violet      | •  | •  | •  |    |
| 388-1200 | MS dark yellow   | •  |    |    |    | 388-4500 | MS dark blue   |    | •  | •  |    |
| 388-1300 | MS yellow orange |    | •  | •  |    | 388-5000 | MS blue        | •  | •  | •  |    |
| 388-2000 | MS orange        | •  |    |    |    | 388-6000 | MS green       | •  | •  | •  |    |
| 388-2100 | MS pure orange   |    | •  | •  |    | 388-7000 | MS brown       | •  |    | •  |    |
| 388-2500 | MS orange red    |    |    | •  |    | 388-8000 | MS black       | •  | •  | •  |    |
| 388-3000 | MS red           | •  |    |    |    | 388-9000 | MS white       | •  | •  | •  |    |
| 388-3050 | MS light red     |    | •  |    |    |          |                |    |    |    |    |

**HP** High pigmented      **HT** High transparent      **HL** High lightfast

Note I: The MS-basic inks must be processed in combination with the corresponding binder Series 386-07 (min. 20 up to 30% by weight).

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

## Other Colors

|                        |   |                         |
|------------------------|---|-------------------------|
| <b>ST Colors</b>       | ST Color Chart / <a href="http://www.printcolor.ch/stcolorguide">www.printcolor.ch/stcolorguide</a> |                         |
| <b>ST Metallics</b>    | ST Color Chart / <a href="http://www.printcolor.ch/stcolorguide">www.printcolor.ch/stcolorguide</a> |                         |
| <b>ST Neon Colors</b>  | ST Color Chart / <a href="http://www.printcolor.ch/stcolorguide">www.printcolor.ch/stcolorguide</a> |                         |
| <b>ST Process Inks</b> | See technical information: Process Inks   |                         |
| <b>Special Colors</b>  | Pantone®, HKS, RAL and after customers sample   |                         |
| <b>Others</b>          | Series 386-00   | ST white                |
|                        | Series 386-00/M   | Mat paste               |
|                        | Series 386-04   | ST transparent paste    |
|                        | Series 386-05   | ST varnish              |
|                        | Series 386-05/MT  | ST varnish, mat         |
|                        | Series 386-06   | Retarder paste          |
|                        | Series 386-07   | Binder, glossy          |
|                        | Series 386-33   | ST black                |
|                        | Series 386-5700   | Photoprotective varnish |

## Auxiliaries

|                                    |                    |                       |                    |
|------------------------------------|--------------------|-----------------------|--------------------|
| <b>Thinner</b>                     | Series 300-017     | <b>Addition ratio</b> | 15 – 30% by weight |
| <b>Thinner for process colors</b>  | Series 300-017/ISO | <b>Addition ratio</b> | 15 – 30% by weight |
| <b>Retarder</b>                    | Series 300-018     | <b>Addition ratio</b> | max. 20% by weight |
| <b>Retarder for process colors</b> | Series 300-018/ISO | <b>Addition ratio</b> | max. 15% by weight |
| <b>Accelerator</b>                 | Series 300-019     | <b>Addition ratio</b> | 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 386 depends on the layer thickness as well as on the substrate and the auxiliaries used.

Usual parameters (without addition of retarder):

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

## Further Processing

- › Punching
- › Molding / coining
- › Cutting
- › Thermal forming
- › Laminating
- › Folding
- › Grooving

## Cleaning

Stencils and squeegees should timely be leaned with the products Series 300-URS or Series 300-BRS.

## Special Features & Tips

**Mixing system (MS)** MS ink Series 388 + Binder Series 386-07 (min. 20 % by weight)

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## Productivity

Depending on color shade and substrate, a productivity of 50-70 m<sup>2</sup>/kg is to be expected with press-ready ink (20% thinning) and use of a mesh 120.34.

## Others

|                                 |   |
|---------------------------------|---|
| <b>Delivery</b>                 | 1 kg / 5 kg / 25 kg   |
| <b>Certificates / Standards</b> | <a href="http://www.printcolor.ch/certificates">www.printcolor.ch/certificates</a>  |
| <b>Third party applications</b> | Addition: always 30% binder<br>Roll and spray applications: thinner Series 300-743<br>Spray applications: thinner Series 300-377 (regulated addition) |
| <b>Other</b>                    | Stir well before use<br>Information on shelf life can be found on the cover label.  |

## Basic Color Systems

- HP** Basic mixing system with highly pigmented primary colors
- HT** Highly transparent combination colors for high glaze coloring.
- HL** High light fast color for 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.

| Issued on  | Revised on | Edited by       | Version |
|------------|------------|-----------------|---------|
| 04.05.2015 | -          | T21 / T12 / T06 | 1       |

## 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.