

Series

SO

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Type: solvent

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Printing process: screen printing

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Ink type: one-component

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Finish: satin

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Materials: Cardboard, Paper, plasticized PVC, rigid PVC, Self-adhesive PVC, Synthetic fabrics, Wood

Particularly suitable for splash guards.

Avoid fabrics or materials treated with waxes or silicones.

Not suitable for Polymethacrylates (PMMA) and Polyolefins (PP, PE, HD-PE, LD-PE).

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Main features:

Thermoplastic ink

- . Good printability
- . Quick drying
- . Satin, velvet appearance
- . Good solidity to alcohol
- . Good flexibility
- . Suitable for printing double-sided PVC labels (double face)
- . All colors are solid at high frequency, except for 165 black shades.  
In this case it's recommended to use 165 S shade (Non magnetic black).
- . Excellent opacity

Thermoplastic substances are sensitive to tension cracks, especially PS and PC, due to the solvents present inside the ink. Pre-tests are absolutely essential for such printing applications.

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Certifications: CLP/GHS (EC 1272/2008), Conflict minerals free, EN 71-3, Reach (EC 1907/2006), RoHS

The EN 71:3 Directive is valid for standard shades of one component inks, two component inks, Ink system and Process colors, HD shades and for all not standard shades which do not contain metallic shades, metallic pastes or fluorescent pigments or inks.

In order to clarify any doubt on not standard shades, it is always recommended to provide us a specific request.

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Eco-sustainability (free of): Animal origin ingredients, Azo dyes, Bisphenol A (BPA), Formaldehyde, G-B Ester, Latex, Melamine, Persistent organic pollutants, Phthalates (listed in RoHS directive)

Note: shades in the fluorescent color chart contain formaldehyde.

Note: all our inks are formulated with non carcinogenic aromatic naphthas as the benzene content is below than 0.1% by weight.

IPA contamination are also possibile but always below the limit of 1000 ppm.

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Outdoor resistance (years): 1

Moderate resistance for outdoor applications.

The used pigments have a solidity from 6 to 8 DIN.

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Drying process: 10 minutes at room temperature

SO series dries physically by evaporation of solvents.

Drying times depend on various factors:

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- . Thickness of printed ink layer (single print, multi-layer print).
- . Type and amount of thinners/retarders used.
- . Type of oven
- . Drying temperature
- . Type of substrate on which the ink is deposited.

. 10-15 minutes at room temperature (depending on local conditions)

. 30-45 sec at 50°C in an air circulation oven.

(The test performed in our laboratory was carried out under the following conditions: 8 mt / min, 120.34 screen printing mesh, medium thinner DILUENTE VINILICO at 15%, air circulation oven).

**Mechanical and chemical solidity:**

Alcohol	excellent
Flexibility (Elasticity or Bending)	good
Gasoline	excellent
Greases	excellent
Oils	excellent
Surface hardness (Abrasion)	excellent
Water	excellent

Colours range: EXTRA - M

110	121	132	140	160	165				

Please refer to the Matt ink color charts.

**Auxiliaries and additives:**

VINILICO medium thinner	15%	
AV2 slow thinner	15%	
Antisilicone/s	1,5%	
NPT matting powder	2%	6% max

**Ink removal:**

DACS solvent  
 Lavaggio telai solvent  
 Aprimaglia Spray

**STORAGE:**

Please keep the cans in a dark place, at temperature of 15-25°C.

If the recommended temperature is higher than the suggested one or the cans are not completely closed, the shelf life and the qualities are drastically reduced.

**CLASSIFICATION:**

Before using this ink, consult the relevant safety data sheets available.

The safety data sheets provided comply with the REACH regulation (EC 1907/2006).

The hazard classification and related labelling are compliant with the CLP / GHS regulation (EC 1272/2008).

**OTHER INFORMATION:**

For more information on SERICOM ITALIA srl products, refer to the website [www.sericom.it](http://www.sericom.it)

**NOTE:**

Our technical consultancy activity, carried out orally, in writing or through tests or experiments, takes place on the basis of our best knowledge.

However, the same must be considered as information without any binding value, also as regards any third party industrial property rights.

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This does not exempt the customer from performing his own checks on the products supplied by us in order to estimate the suitability or otherwise of the procedures and for the purposes intended.  
The application, use and transformation of the products take place outside our control possibilities and therefore fall under the exclusive responsibility of the customer.