

Series

PSE

Type: solvent

Printing process: screen printing

Ink type: one-component

Finish: satin

Materials: Polystyrene

Strictly suggested for printing on expanded polystyrene.

Main features:

. The PSE Series has been formulated to solve the problems of silk-screen printing on expanded polystyrene, sensitive to tension cracks, corrosion or micro-cracks due to the solvents present inside the ink.

- . Satin, velvet ink
- . Moderate coverage
- . Good printability
- . Quick in drying

We recommend to print with screen printing frames produced with 90-100 mesh.

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.

Eco-sustainability (free of): Alogens, Animal origin ingredients, Azo dyes, Bisphenol A (BPA), Cyclohexanone, 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.

Outdoor resistance (years): 1

Not suitable for long outdoor applications.

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

Drying process: 15 minutes at room temperature

PSE series dries physically by evaporation of solvents.

Drying times depend on various factors:

- . Thickness of printed ink layer (single print, multi-layer print).
- . Type and amount of thinners/retarders used
- . Type of oven
- . Drying temperature

Ink dries physically by evaporation of solvents:

- . 10-15 minutes at room temperature (depending on local conditions)
- . 20-30 sec at 50°C in an air circulation oven.

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(The test performed in our laboratory was carried out under the following conditions: 8 mt / min, 100.34 screen printing mesh, medium thinner PSE-DM at 15%, air circulation oven).

Mechanical and chemical solidity:

Flexibility (Elasticity or Bending)	
Water	

The PSE Series has been formulated with the sole purpose of being a low negative impact ink when printed on expanded polystyrene, and not considering high chemical and physical solidity.

Colours range: EXTRA - M

110	111	115	120	121	122	124	130	132	133
136	140	141	151	160	165				

Please refer to the Matt and Metallic color charts.

The metallic shades are available only by mixing the relative pastes with the Transparent Base PSE 70 TR.

Gold paste 75 10-20%

Gold paste 76 10-20%

Gold paste 77 10-20%

Bronze paste 78 10-20%

Silver paste 79-050 10-15%

The metallic pastes composed with the relative transparent base PSE 70 TR, due to their particular composition, can oxidize.

The pot-life of the compounded METALLIC PASTES is about 8 working hours.

Auxiliaries and additives:

PSE-DM medium thinner	15%	
PSE-DL slow thinner	15%	
PSE-DR fast thinner	15%	
M 2000/S levelling agent	0,5%	max
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:

Series

PSE

For more information on SERICOM ITALIA srl products, refer to the website 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.

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.