Series **XL**

Type: solvent

Printing process: screen printing

Ink type: one-component

Finish: glossy

Materials: ABS, Cardboard, Leather, Paper, Polymethacrylate (PMMA), Polystyrene, rigid PVC, SAN, Self-adhesive PVC, Styrofoam, Synthetic leather, treated PETG, treated Polyester, treated Polyethylene (HD-PE, LD-PE), treated Polypropylene

Not suitable for very plasticized PVC

Main features:

Created to solve the problems of pad printing on injection-molded materials, such as Polystyrene, or on other plastic materials sensitive to tension cracks due to the solvents present inside the ink.

. Glossy appearance
. Good solidity to cosmetics (creams)
. Good stability for outdoor prints
. Moderate coverage

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: transparent shades in the display color chart contain cyclohexanone.

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): 4

Suitable for outdoor application.

The used pigments have a solidity from 7 to 8 DIN.

In case of mixing with the transparent bases 70 TR or TP, or with white 160 or 60 BN, the light fastness and atmospheric agents decrease.

If you want to increase the outdoor solidity, it's recommended to add 5-7% of UV adsorber to the ink.

Drying process: 10 minutes at room temperature

XL 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

Series **XL**

. Drying temperature
. Type of substrate on which the ink is deposited.

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

Mechanical and chemical solidity:

Alcohol	20 passes with 1 Kg of weight
Cosmetics	that do not contain alcohol

Colours range: EXTRA - M, INK SYSTEM, QUADRICROMIA, TRASPARENTI

110	111	115	120	121	122	124	130	132	133
136	140	141	151	160	165	170	10 GL	11 GS	12 AR
21 RS	22 RC	25 MG	27 VT	32 BL	40 VR	60 BN	65 NR	70 TR	1080
1081	1082	1083	TP	80	81	81-00	82	82-00	83
84	85	86							

Please refer to the Glossy, Metallic, Fluorescent, Displays and Ink System ink color charts.
The Ink System are 12 colour shades for mixing of RAL, PMS and HKS colours.

The metallic shades are available only by mixing the relative pastes with the Transparent Base XL 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 XL 70 TR, due to their particular composition, can oxidize.

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

In the Ink System color chart are present the shades:
1080 yellow, 1081 magenta, 1082 blue, 1083 black, TP paste (CMYK), necessary for making four-color prints.

Also refer to the Displays color chart, containing extremely clear and transparent shades:

80   yellow
81   red
81-00   carmine red
82   blue
82-00   dark blue
83   purple
84   green
85   orange

Series **XL**

In the range are also included the following shades:

160 HD Opaque white

165 HD Opaque black

165 S Non magnetic black

Auxiliaries and additives:

NPT matting powder	2%	6% max
XL-DM medium thinner	15%	
VH slow thinner	15%	
VS fast thinner	15%	
Retarder paste	10%	max
M 160 conc. levelling agent	0,5%	
Universal antifoam agent	1%	
Antisilicone/s	1,5%	
UV Adsorber	8%	
Antistatic/s	1,5%	

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

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.