

Series

# DECORPLAST

Type: solvent

Printing process: screen printing

Ink type: one-component

Finish: glossy

Materials: Natural fabrics, Synthetic fabrics

The fabrics mentioned must be resistant to high ink gelification temperatures.

Suitable also for making non-slip socks.

Main features:

Oven ink.

Ink consisting of a polymeric compound that gels a high temperature of about 130°C, with an oven stay of 2-5 minutes. (150°C for fluorescent shades).

The main characteristics of this ink are:

- . high elasticity
- . excellent coverage even on dark background fabrics, given by the high concentration of pigments
- . possibility to print wet on wet without interrupting printing
- . low volatility.

In case the pastes are kept in stock for long time, it is advisable to seal hermetically the containers, since the resin deteriorates in case it is left for long time in contact with oxygen. It is also necessary to check that the environmental temperature of the place where the product is stored is within 20-25°C. If the temperature exceeds this limit there will be viscosity alterations with consequent printing problems.

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): Bisphenol A (BPA), Cyclohexanone, Latex, Melamine, 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

It is not suitable for prints that must be exposed outside for long periods (3-5 years).

Drying process: oven

2-5 minutes inside oven at 130°C.

Mechanical and chemical solidity:

|                             |            |
|-----------------------------|------------|
| Ironing                     | 0 (direct) |
| Sunlight-proof              | 5-7        |
| Surface hardness (Abrasion) | 2-3 (dry)  |

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|          |                             |
|----------|-----------------------------|
| Sweat    | 4-5 (alkaline)              |
| Sweat    | 4-5 (acid)                  |
| Washings | 1-2 (dry)                   |
| Washings | 5 (in water with detergent) |

Do not dry clean. Ironing must be done upside down.

N.B.:

Maximum value for daylight 7-8

Maximum value for other data 5

Colours range: ADDITIVO, EXTRA - M, FLUORESCENTI, HD, METALLIZZATI, QUADRICROMIA, VARIE

|                |                        |               |                |                  |         |                 |        |        |                    |
|----------------|------------------------|---------------|----------------|------------------|---------|-----------------|--------|--------|--------------------|
| SILICONE SPRAY | ANTISCHIUMA UNIVERSALE | 165           | 110            | 112              | 115     | 122             | 123    | DP 126 | 130                |
| 134            | 135                    | 136           | 137            | 141              | 150     | 170 T           | 104    | 105    | 106                |
| 107            | 108                    | 109           | 160 HD         | ORO              | ARGENTO | 1080            | 1081   | 1082   | 1083               |
| TP             | FLUIDIFICANTE          | CATALIZZATORE | CAT X SILICONE | 160 HD-AG        | 160 EL  | 160 FLASH ULTRA | 160 BF | 170 G  | BASE EFFETTO LENTE |
| BASE G         | BASE GOCCIA            | BASE HT       | BASE MORBIDA   | BASE OPACIZZANTE |         |                 |        |        |                    |

Please refer to the Decorplast color chart.

Auxiliaries and additives:

|                          |      |   |
|--------------------------|------|---|
| Fluidifier               | 10%  | liquid additive that modifies the decorplast rheology (thinner)                               |
| Puffing paste            | 8%   | to achieve a puffing effect. gelling temp. 145°C  |
| Plasticizer              | 3%   | liquid additive that improves decorplast elasticity   |
| Antitack                 | 5%   | 20% max. used to remove plastisol stickiness (it reduces the suction effect during the print) |
| Universal antifoam agent | 1,5% | it removes any foam forming during the print. improves flowing                                |
| NPT matting powder       | 2%   | 6% max  |

TRASPARENT BASES

DECORPLAST - TP CUTTING PASTE

Used to decrease the concentration of CMYK shades, or to reduce the intensity of the covering colors, it is compatible with all the colors of the DECORPLAST series.

USE: 10-20% depending on the effects required.

DECORPLAST - 170 G INFLATABLE BASE

Plastisol foaming base for 3D effects. It must be added to Decorplast colour ranges, giving to puff effects a very closed and defined effect. It's suitable for being printed together with transfer products.

DECORPLAST - G BASE

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# DECORPLAST

Plastisol base for glitter printing or for final glossy effect. Extremely transparent and suitable also for 3D printing with fine screens.

## DECORPLAST - DROP BASE

Plastisol base for improving elasticity and reducing curing time to 130°C. Extremely transparent and with high binder content.

## DECORPLAST - HT BASE

Plastisol base for 3D printing with squared effect. Extremely transparent and suitable for fine screens.

## DECORPLAST - SOFT BASE

Plastisol covering base to be used as reduction paste. It can be used for reducing viscosity of Decorplast colour ranges without affecting the covering effect. 20% of Soft base in Decorplast colour range increases covering effect. Can be used also as a softener, giving to printed shades a "water-effect".

## DECORPLAST - MATT BASE

Plastisol base for increasing matt effects. To be added inside Decorplast colour range.

## DECORPLAST - LENS EFFECT

Plastisol base for 3D printing with smooth effect. Typical use for "lens effect", thanks to its extremely high transparency.

## DECORPLAST - WHITES:

### DECORPLAST- BIANCO 160 HD-AG

Plastisol covering white with soft handle that can be used as bottom white and as final white. High runnability, can be used with very fine screens ( till 100/120 mesh ) that give to the product a similar to water base effect. Very quick in flash drying.

### DECORPLAST- BIANCO 160 EL

Plastisol elastic white. Mostly indicated for elastic substrates, has a high runnability and dry very quickly under flash lights.

### DECORPLAST- BIANCO 160 FLASH ULTRA

White plastisol, extremely rapid drying under flash lights, excellent covering and flexibility.

### DECORPLAST- BIANCO 160 BF

Plastisol low-fusion (130°C) white, suitable for bottom white and for final white. Extremely covering and very quick in flash drying, mostly indicated for printing with multiple flashing between screens because of its highly reduced influence on overprinted pastes.

### DECORPLAST- BIANCO 160 HD

Opaque white with high density and high opacity. Printing requires a number of meshes which must be evaluated according to the substrate in terms of absorption and background color.

## 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

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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.

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.