

○ APPLICATIONS

It is particularly indicated for the printing on the following materials: thermosetting resins, polyamides, polycarbonates, polyesters, polymethyl methacrylates, polystyrene, ABS, polyurethanes and stiff PVC.

It can also be utilized, getting good results, on glass, metal, enamelled surfaces and polyethylene-polypropylene (pre-treated).

○ FEATURES

It is a two-component ink. It has a glossy appearance and is quick-drying.

Its main feature is the high mechanical and chemical resistance.

Non-toxic ink (NT) conforms to European regulations EN 71/part 3 and European Directive 2002/95/EC (RoHS).

Excellent resistance to a large number of organic solvents, chemical products and diluted acids.

It has a very good abrasion resistance.

○ PROCESSING

Mix the ink with the PLH catalyst in a 2:1 ratio (2 parts ink and 1 part catalyst).

Mix and strongly dilute the ink by using the PLA thinner in the measure of max. 10-20%.

When printing fine details or screened images (e.g. 80/120 lines per cm²) in warm environments, we recommend you add the PLD retardant in a minimum percentage.

CAUTION!

The catalyzed ink must be consumed within 6-7 hours or afterwards it gradually loses its mechanical-chemical resistance and its ability to adhere to the support.

Excessive dilution generates a loss of the covering power, smudges and an imperfect detachment of the ink from the pad. An insufficient dilution causes problems of drawing the ink from the cliché, printing repeatability and dripping of the ink with a consequent decline of the printing quality.

○ DRYING AND HARDENING

The drying time lasts 2 minutes at an ambient temperature of about 20 °C.

If you would like it to dry in only a few seconds, you can use hot air circulation ovens (60-80 °C) or high temperature spot devices (air or infrared rays) that can be installed on the piece feeding systems (e.g. rotary tables, conveyors, etc.).

The ink is completely hardened after 6-7 days.

○ COLOUR RANGE

Consult the COMEC ITALIA color chart of matt hues that includes a selection of 24 standard colors plus 3 three-color shades.

All of the color shades can be mixed with each other.

Upon request:

- special sample colors

- metallic gold and silver shades ready for use.

○ ADDITIVES

PLA thinner.

PLB fast thinner.

PLD retardant.

PPLD retardant paste.

PLH catalyst.

PLT7/70 transparent base.

OP opacifier.

○ PRESERVATION

Lifetime of about 2 years.

Conditions for preservation: the package must be sealed tight and put in a dry and cool space.

CAUTION: ESSENTIAL NOTES!

The information and data contained in this sheet and those provided by Comec Italia by any means are purely indicative, since the conditions of the products' utilization are beyond our control.

We recommend that you make some preliminary trials in order to ascertain the selected product's suitability for the material and the work conditions prior to starting a new production run.

The use of any product remains entirely under the responsibility of the customer.

The manufacturer reserves the right to make changes it deems necessary at any time.

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