



**Serie "VINILPLAST"
Mat vinyl inks**

General description

VINILPLAST are a newly formulated vinyl inks and are based on choiced raw materials selected for the specific purpose of making the working environment more healthy.

In fact, thanks to the use of special copolymers and low-odour solvents, the printing environment will be free from the strong smell, typical of traditional inks used for printing on plastic materials.

Characteristics

VINILPLAST inks have a weak odour and according to E.E.C. regulation, they are not labelled harmful or irritant. Furthermore all colours are F.P.T. type. It means that they comply to EN 71 - III for application on food packaging and toys.

The main characteristics are:

- very good printability
- stability on the screen (self-solving)
- very high opacity
- fast drying
- very good adhesion on plastic materials
- good chemical resistance to detergent and gasoline

Application

VINILPLAST Series is composed of specially formulated inks for printing on all P.V.C. materials. These inks are largely employed in many industrial fields and in advertising.

They are used with very good results for stickers as they have a perfect adhesion on vinyl and top-coated polyesters self-adhesive materials.

They are employed to decorate vinyl wall-paper, to mark rigid and flexible P.V.C. containers, to print on rigid P.V.C. panels (like Kristall) and on Polystirene or ABS advertising posters for outdoor use.

They are largely used for inflating objects in P.V.C. (baloons, puppets, etc.) as all colours of this Serie, can be welded at high frequency.



SCREEN INKS

Colour Range

VINILPLAST inks are supplied in twenty colours as shown in our colour card and also in twelve basic shades of our matching system named “**color system**”.

Trichromatic shades in Europa Scale are available.

Gold and Silver are supplied ready for use.

Our company manufactures also special shades on request for a minimum quantity of Kg. 20.

Thinning

The high viscosity allows an addition of about 10% of the appropriate thinner before printing.

The following thinners are supplied:

- Vinilplast 141 slow thinner
- Vinilplast 142 medium thinner
- Vinilplast 143 fast thinner
- Vinilplast 146 retarder

Drying

The strong opacity of these inks offers one of the quickest surface drying time among the inks used in screen printing. Air drying takes about 10-15 minutes, printing on flexible P.V.C., 20-25 minutes printing on rigid P.V.C. Forced drying in hot air blasted ovens reduces drying time to few minutes.

Coverage

Printing with a 90-100 threads/cm. and with 10% thinning it is possible to achieve a coverage of about 30-40 mq/Kg.

Warning

On very plasticized P.V.C. materials and on those that have lubricants and silicons on the surface, a good standard of adhesion is often not achievable.

For this reason it is advisable to make adhesion tests on every lot of vinyl material.

In case adhesion is lacking, it is necessary to remove the plasticizers from the surface with the appropriate solvents.

Packaging

All colours are available in 1 Kg. and 5 Kg. tins.

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This information is based on our direct experience but it does not answer any real guarantee.