



P.V.C. series -Matt inks P.V.C. FLUO Series- Fluorescent inks

Product description

The P.V.C. series is composed of specially formulated inks to print all P.V.C. materials, both rigid and flexible. These inks are printed with good results on several plastic materials like polystyrene, ABS, Acrylics, Polycarbonates, etc. but it is suggestable to make the adequate tests.

As they are suitable for all P.V.C. and plastic materials, these inks are largely employed in many industrial fields and in advertising.

They are used with very good results for stickers as they adhere, perfectly on all self-adhesive P.V.C. and top-coated polyesters sheets now on the market.

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 Polystyrene or ABS advertising posters for outdoor use.

They are largely used for inflating objects in P.V.C. (balloons, dinghies, puppets), all colours of this series can be welded at high frequency.

Main characteristics

P.V.C. inks can be easily printed in all room conditions and they are suitable both for manual printing and automatic high production machines.

Their main characteristics are:

- perfect chemical adhesion on all P.V.C. materials - opaque-satin finish with good scratch-resistance
- quick drying and therefore a good piling possibility with no risk of colour release.
- good opacity in all colours for the high pigment concentration, chemical resistance to detergent, petrol and solvents.

METHODS OF EMPLOY

Thinning

Four kinds of thinners are provided with a different degree of evaporation. They can be added to coloured pastes up to 15%. These thinners allow the use of P.V.C. inks in all room conditions and to adapt them to all printing needs.

To clean the screen "Universal wash-sol vent 251", should be employed. The easy evaporation of the solvents employed allows a fast drying

at room temperature. The strong opacity of these inks offers one of the quickest superficial drying time among the inks used in screen printing.

Air drying takes about 10-15 minutes, printing on flexible P.V.C., it takes 25-30 minutes printing on rigid P.V.C.



SCREEN INKS

Forced drying in hot air blasted ovens reduces drying time very much, but it is important to prevent the heat from deforming the material.

Coverage

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

RANGE OF COLOURS -COMPLEMENTARY PRODUCTS

P.V.C. inks are provided in all standard shades of our colour chart of matt inks. Trichromatic colours at high pigment concentration have to be mixed with the Extender Base 135. These inks are particularly suitable for outdoor use as they show a very good resistance to light and all weather conditions.

The Metallic powder ink Medium 136, glossy finish, is used to mix gold or silver powders or as overprint varnish.

All colours of these series can be mixed to one other. The P.V.C. inks are compatible with LUXVINIL inks and they can be mixed to obtain semiglossy or satin colours.

On request colours can be supplied in a 20 Kg. minimum quantity.

WARNING

On very plasticized P.V.C. materials and on those that have lubricant and silicones 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 a solvent.

~ - ~ - ~ - ~ - ~ - ~ - ~

P.V.C.-FLUO Series

"P.V.C. FLUO" series is composed of 10 colours with a high fluorescent pigment concentration. This series has the same characteristics and range of employ of the P.V.C. series, with the only difference that for the characteristics of the pigments employed. they do not offer a high standard of opacity.

To obtain a high standard of fluorescence it is suggestable to print on light backgrounds, preferably white, and to "use largemesh fabrics (61-90 threads/cm.) to lay a thick coat of ink.

Fluorescent colours have the property of particular brightness and they can be easily seen in the daylight at a much longer distance than ordinary colours. These inks are compatible with those of the "P.V.C." series to which they can be added to give more brightness.

~ - ~ - ~ - ~ - ~ - ~ - ~

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