



### **PAPERMAT Series - Matt Inks**

### **PAPERFLUO Series - Fluorescent Inks**

#### **Product description**

Papermat inks have been specially formulated for being used on materials made of paper, cardboard, wood, masonite, cork, etc...

They are also suitable for printing on plastic sheets, such as polypropilene hallow sheets, acrylics or polystirene, on fabric and on many other materials.

This kind of ink is mainly used for posters, advertising posters and banners.

Their special composition makes inks resistant to glues that are normally used to stick posters on. Papermat inks have a wide range of employ in the production of artistical prints in particular the trasparent paste 135 is commonly used. They are also suitable for mixed offset-screen prints, as they can be printed over and under offset inks.

#### **Main characteristic**

These inks offer a very good printability and sharpness, moreover they have the following characteristics:

- matt-satin finish with a very good scratch resistance;
- good opacity of all colours due to the high pigmentation;
- very fast drying also in multiple colours overprinting;
- self-thinning properties and excellent stability on the screen.

#### **Methods of employ**

These inks are supplied at high viscosity, therefore they can be reduced to 20/30% with their thinners. It is advisable to use the medium thinner for ordinary works, instead the slow thinner or the retarder for printing very thin lines or to work in the hot season. As a thinner White-spirit can be also used.

In some cases it is advisable to use PROTOGEL 951. With this highly tixotropic jelly paste a good print is achievable with high sharpness and without lowering too much the viscosity of the ink. As cleaning - solvent White-spirit or Universal wash-solvent can be employed.

#### **Drying**

Drying of these inks happens trough evaporation of the solvents. Air drying lasts 10-15 minutes, depending on the fabric used for screen printing and on the thinner. In overprinting with many colours, drying times are of course longer. Drying time can be reduced to 30 seconds using forced hot-air blast ovens.



### Coverage

Printing with a fabric of 100 threads/cm. with 10% thinning, it is possible to achieve a coverage of approximately 45-55 mq/Kg. Trichromatic colours and their transparent extender base 135 have a very remarkable coverage.

### **RANGE OF COLOUR -COMPLEMENTARY PRODUCTS**

Papermat inks are available in all standard shades included in our colour chart of matt inks.

Trichromatic colours are also available, and having a high pigment concentration, they have to be mixed with the extender base 135.

Transparent Varnish 136, glossy finish, is used as final overprinting varnish or mixed with gold or silver powders.

### Stencil

As Papermat are White-spirit based inks, which is a mild solvent, all kinds of stencil can be used without problems. Stencil can be also made with hand-cut films that are applied on fabrics with solvent.

### Packaging

In stock there are 1 Kg. and 5 Kg. tins available. Other packages can be supplied on request.

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### **PAPERFLUO series**

The Paperfluo series is composed of 10 colours with high fluorescent pigment concentration. These series has the same characteristics and the same range of employ of the "papermat" series, with the only difference that these colours do not offer, due to the characteristics of the pigment used, a high standard of opacity.

To obtain the highest standard of fluorescence it is advisable to print on light backgrounds, preferably white, and to use large-mesh 61-90 threads/cm. fabrics to lay a thick coat of ink. Fluorescent colours have the property of being particularly bright and they can be seen in the daylight at a longer distance than normal colour. For these particular characteristics they are used for advertising posters and traffic signs. These inks are compatible with Papermat inks, to which they can be mixed to give more brightness to colours.

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