SCREEN INKS



" CELLINK " Glossy inks

Product Description

Cellink inks have been specially studied to be emploied for printing dry and waterslide decals. These nitrocellulose inks can be also emploied with good results for printing on plates coated with nitro-based varnishes. They are also used for printing on some plastic materials (such as Cellulose Acetate, Polystirene, Acrilics) and on other materials such as canvas, leather, wood, masonite, special coated papers, etc. The main employ of Cellink inks is in the transfers field. It is not possible to do without these ink for dry decals production while in waterslide transfers they can be used in alternative or in combination with synthetic oil based inks.

Dry transfers

On dry release transfer supports, which are generally made of polythene coated paper or of special transparent plastics, Cellink Transparent 236 is printed first. The printing should lightly overlap the design. It is suggestable to print with large-mesh fabrics to obtain a thick and strong film of ink. Over the Cellink Transparent 236 the Cellink colours are to be printed in reverse. Finally the <u>Print Adesive 550</u> is applied as a last coat, taking care that it will not overlap the Cellink Transparent.

Waterslide transfers

This kind of decals can be made using either oil based synthetic or nitrocellulose inks. It is also possible to use inks, paying attention to the fact that synthetic inks can be printed on nitrocellulose inks but not viceversa.

Printing on Simplex paper

Coloured inks should be printed first and last Cellink Trasparent 236, which should cover the whole design area. Cellink Transparent can be replaced with oil based synthetic Transparent varnish. This slow drying product gives the transfer a better brightness and assures a good outdoor resistance, but with the time it turns slightly yellow.

Printing on Duplex paper

On this kind of paper Cellink Transparent 236 should be printed first then all the other colours should be printed in reverse. Finally an adhesive or other products that give a perfect adhesion on the materials on which the decals have been applied.

For outdoor exposure and on rigid surfaces it is advisable to use the adhesive called "Cement". For applications on coated tinplates the transfer is generally moistened with special mixing of solvents.

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Main characteristics

The special formulation of these inks gives a film of ink that in every colour has very good flexibility and stretch-resistance characteristics. Moreover Cellink Transparent 236, which is the main product to make this kind of transfers, differently from synthetic oil-based varnish, does not turn yellow even after several years of outdoor exposure.

The characteristics of these inks are the following:

- very good resistance to stretching and high flexibility
- semi-glossy ink with high superficial hardness and scratch resistance
- easy printability and sharp definition
- quick evaporation of the solvent

METHODS OF EMPLOY

Thinning:

Four types of thinners are supplied with a different level of evaporation that allow to print these inks under every condition and with every kind of printing machine. During the hot season and to print very thin lines it is advisable to use the Retarder Thinner. To clean the screens the Universal Wash-solvent 251 is recommended.

Drving:

Cellink inks air dry by solvent evaporation. On non-porous surfaces evaporation time takes about 15-30 minutes. In hot-air blasted ovens time can be remarkably reduced and the material can be piled up without colour release.

Coverage:

Coloured inks printed with a 100 threads/cm. fabrics have a coverage of about 25-30 mg/Kg. Cellink Trasparent 236 printed with a 61 threads/cm. fabric has a coverage of about 30 mg/Kg.

Range of colours

Cellink inks are supplied in the 12 base shades of our mixing system called "Color System". Cellink Trasparent 236 is used both as overprinting varnish and as Metallic Medium for gold and silver powders.

The inks prepared with metallic powder tend to get dark because of oxidation. Therefore it is advisable to prepare them each time.

We can manufacture special shades on request for minimum a quantity of Kg 20.

Packaging:

We can supply the product in: Kg 1 and Kg 5 cans.

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

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Pagina 2 di 2