

PRINTING TIPS

Suitable for the most popular printing techniques: offset, letterpress, blind embossing, foil blocking, thermography, silk screen.

The surface has a low degree of absorption, therefore inks dry mostly through oxidation. The best results are obtained with oxidizing inks for plastic materials.

It is necessary to keep well under control all the variables of the printing process especially at the fountain. The buffer solution should have a PH value between 5 and 5.5 and a conductivity value between 800 and 1200 ms.

It is important to achieve a good balance between fountain and inking, reducing the wetting to a minimum to avoid the emulsion with the ink. This will give optimal results in terms of drying and anchoring of the ink.

In-line acrylic varnishes can be used paying attention to the behavior of the stack and using a minimum quantity of anti-set-off. The drying time is variable and strictly related to ink loads and process parameters.

Silk screen printing: it is recommended the use of inks for plastic surfaces.

Foil blocking is generally applicable. Occasionally the negative interaction between specific types of foil and deep coloured papers may cause foil oxidation. This can be avoided by:

- Poly lamination
- Coating with an acrylic primer
- Coating with an UV primer
- Double foil blocking with application of a transparent film in the first pass

Feasibility test runs are recommended to verify the performance of the techniques listed above.

It is advisable to check with your glue supplier which are the most appropriate products to be used.

Excellent results are obtained with all the most important converting processes: Cutting, Creasing, Die Cutting, Fold, Gluing and Lamination.