

# LDI for Plastic

Code M994716K001000

## PRODUCT DESCRIPTION

Vinyl-acrylic solvent-based ink.

## APPLICATION FIELDS

*LDI* (Light Diffusing Ink) *for Plastic* is developed for printing on optically transparent panels made of plastics, such as PC and PMMA, intended for LED edge lighting.

The printed image is transparent when the light is off, while it diffuses the light in the same colour as the selected LED when the light source is turned on.

The product is indicated for Habitat and Signage industries.

## APPLICATION PROCESS

<b>Substrates</b>	PC, cast PMMA
<b>Th/Cm</b>	From 77 to 120 Th/Cm
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• <i>Zero-In Dual SV Plus</i></li> <li>• <i>Zero-In SR-V</i></li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness 60-65 shores
<b>Drying</b>	Tack-free is achieved at room temperature within 30 minutes, or at 50-60°C in few minutes
<b>Blank Ink</b>	<i>Serink Transparent for Plastic (Cod. M994721K001000)</i>
<b>Thinners</b>	<i>Thinner 90.924</i>
<b>Cleaning</b>	<i>Solvent LQ 90.920</i>
<b>Storage</b>	Shelf-life of 1 year (kept in its original sealed package)
<b>Safety Data Sheet</b>	Available on request

## GENERAL FEATURES

- Excellent chemical resistance
- Excellent flexibility
- Excellent outdoor resistance
- Excellent adhesion
- Transparency

## PREPARATION

Before using it, the ink must be mixed well and, in case, diluted (up to 20% weight) according to printing requirements.

## TECHNICAL FEATURES

The performance of the product, printed with a 120 th/cm screen, is about 50-60 m<sup>2</sup>/Kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment.

## OPTICAL FEATURES

Depending on the artwork size, the product has to be appropriately diluted with the blank ink *Serink Transparent for Plastic* (Cod. M994721K001000) so that the diffused light can spread evenly on the printed surface.

According to the th/cm of the screen, the diffused light can be conveniently tuned by modifying the thickness of the printed ink.



## SPECIAL INSTRUCTIONS

- Always test the characteristics of the product before starting production.
- The above information is the result of previous knowledge and experience; it is neither a guarantee nor an assurance.

## IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.