

## Solvent Printable Polyester E1000ZC/E10004RC/G1100EC



### PRODUCT DESCRIPTION

A range of printable window films with high coat-weight top-coatings designed to absorb solvent based inks. These topcoatings are very reactive to the solvents selected in the printing process. The ideal scenario is to achieve the optimum print definition and saturation with the minimum of ink deposit; this requires precise setting of profiles and curing conditions.

### ACCLIMATISATION

Prior to printing, store the material in the machine room for a minimum of 24 hours to acclimatize the product.

### INK DEPOSIT

The ink selected should adhere to the topcoat but should not be aggressive enough to attack and breakdown the topcoat. The digital inks should be evaluated to determine their effect on the topcoat. Mild solvent inks are more suitable for this film as it has a very ink receptive topcoating. The ink limit evaluation should be the minimum profile run on the material so as to ensure that no over-inking is taking place. Linearization and ICC profile should be set up for this material.

### INK CURE

The recommendations for cure of the printed image are as follows:

1. The pre-heat of the printing machine is set to room temperature (25°) to ensure that the topcoating is not softened and more re-active to the solvents.

2. The print head temperature should be set to 35°C to ensure that the solvents start to slowly volatilize.
3. The post cure temperature should be set at 50°C to 60°C to further assist the release of solvents.
4. The cure/drying recommendations above try to ensure that the printed material is dried as efficiently as possible without introducing internal stresses into the film due to solvent attack or overheating.

### IMPORTANT NOTE

If the film is not cured correctly it can introduce up-curl or 'wavy edges' into the product. As the film is designed to be wet applied any curl can cause application issues. Product curl at point of the application can cause delamination of the film from the glass. It is essential to evaluate all profiles and drying conditions as detailed within this document to ensure good lay-flat properties after printing.

### PRINTED MATERIAL HANDLING

Once the print has dried, the material should ideally be hung or left on a flat table to post cure. At this time the ink surface should be exposed to the air and not be in contact with another surface. We recommend 48 hours for the cure/drying time before installation. Ensure the ink is fully dry before rewinding. If the ink is not fully cured there is a risk of 'blocking' where the uncured ink bonds to the release liner when it is rewound onto a roll.

### PACKAGING FOR TRANSPORTATION

The media should be wound around a tube with ink out facing, poly bagged and then boxed.

### APPLICATION

1. The printed materials should be trimmed with new sharp cutting blade.
2. The area where the film is to be applied should be clean and free of any contamination such as silicone.
3. The printed film should be applied using the Madico application fluid, Blue solution, to ensure activation of the adhesive whilst using wet application methods. See separate LINTEC Application Instructions leaflet.

The representations of performance and suitability for use contained in this Data Sheet are meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. Copyright 1995

