

# FOTECFOIL 7135 UND 7165

## Inkjet Clear Film for Computer-to-Film (C-t-F) Application

### 1. DESCRIPTION

- New inkjet printable PET films with satin-clear finished, ultra-transparent surface and high resolution and dimension stability.
- Both films are fitted with antistatic treatment and based on bi-oriented PET coated with a dedicated ink jet color-absorbing layer, which provides extremely high color density and edge definition.
- **FOTECFOIL 7135** and **7165** make the production process easier, without need of chemicals and/or water, suitable for dye and pigment inks. They have been designed for “high resolution image reproduction“, as well as for the production of: - no defects light exposure templates. Suitable for contact reproduction processes as matrix for screen printing positive or negative films and color separation in the exposure process for screen process stencil materials like **FOTECOAT** emulsion, **FOTECAP** capillary films and **FOTECFILM** indirect film systems.
- The print quality is far higher than the one obtained with traditional inkjet, laser and/or gelatine coated films, thus improving the economic/convenience factor of **FOTECFOIL 7135** and **7165** when compared with traditional films.

### 2. TECHNICAL DATA

Properties	FOTECFOIL 7135	FOTECFOIL 7165
Thickness	± 136 µm	± 166 µm
Grammage	175 g/m <sup>2</sup>	215 g/m <sup>2</sup>
Thickness tolerance	± 4 µm	± 4 µm
Optical density	> 4 D <sub>max</sub> UV	> 4 D <sub>max</sub> UV

### 3. HANDLING

- Best workability: at 15 - 30°C / RMH 40 - 65%
- Both films are suitable to be processed with dye and pigment inks, black inks (K) and new Epson original inks (K3) for Epson SureColour printers
- We suggest to protect the foils from dust and water
- Avoid finger prints on the ink jet printable side of the foil

- To obtain best printing performance, the printer must be programmed for the highest level of print quality
- Check the coloring (the printing reproducibility is rip depending)
- Printing register accuracy: optimization of the plotter setting and air conditioning in the workshop

To achieve the best quality in the ink jet printing of **FOTECFOIL 7135** and **7165** film, a synchronization of all parameters of the workflow, software, printers, inks, printing substrates, regular check-up and maintenance of the printer color settings, working area is needed.

### 4. PARTICULARITIES

Low start up and running costs, without high investments. The films are especially dedicated to high- definitions image reproduction, digital production of templates.

- High covering, >4.0 UV-density with original black ink (3K) Epson (and new original ink for Epson SureColour) Canon, Roland, Mimaki, Mutho, HP, Kodak, etc.
- Higher passer accuracy and lines/edge definition, till 180 lpi/70-er raster
- Higher transparency >88%, as well as good performance when vacuum is applied.
- Quick drying times, even with high grammage inks deposition
- Very good chemical and mechanical resistance
- Scratch- and water-resistant
- Good filing (archives), no foil-to-foil ink transfer

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### 5. STORAGE

- **Temperature:** 15-30°C and 40- 65% RMH, to assure/ maintain the printing characteristics.
- **Once opened** the original packing, our film must be stocked away from direct sunlight, in a clean and dry ambience.

### 6. PACKAGING

**Core:** Optimal 76 mm, for best lay-flat properties.

**Roll length:** 30 m standard

#### **Roll widths FOTECFOIL 7135:**

- 17"/43,1 cm
- 24"/61 cm
- 36"/91,4 cm
- 42"/106,7 cm
- 44"/111,8 cm

#### **Roll widths FOTECFOIL 7165:**

- 17"/43,1 cm
- 24"/61 cm
- 36"/91,4 cm
- 42"/106,7 cm
- 44"/111,8 cm
- 50"/127 cm
- 60"/152,4 cm
- 162,56 cm

#### **Formats sheets FOTECFOIL 7165:**

- A4 (21 cm x 29,7 cm)
- A3 (29,7 cm x 42 cm)
- A3+ (32,9 cm x 48,3 cm)