



## TECHNICAL DATA SHEET DIGITAL PRINTING DECO OUTDOOR

Semi-rigid metallised 65 microns PVC, stabilised against UV-rays, carrying a pressure sensitive solvent based acrylic adhesive, suitable for cutting plotter applications and solvent inkjet printing.

### **SPECIFICATIONS:**

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	65	
• Dimensional stability (mm):	< 0.25	DIN30646

### **LINER:**

- Kraft paper liner 145 g/m<sup>2</sup>.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

• 180° peel on stainless steel (N/25mm):		FINAT FTM-I
Initial adhesion	11	
Final adhesion	13	

### **ADHESIVE:**

- Permanent clear acrylic solvent adhesive.

### **PRINTER AND INK COMPATIBILITY:**

- Solvent and Eco-solvent inkjet printers.

### **RECOMMENDATIONS:**

- Minimum application temperature: +16 °C (+61 °F); recommended: +21 °C (+70 °F).
- Temperature range: -20 °C to +75 °C (-4 °F to +167 °F).
- The film must be applied dry in order to avoid oxidation of the metallised film
- Apply only onto clean, smooth, non-porous surfaces.

- Suitable for flat non-riveted surfaces.
  - Not recommended for untreated metal surfaces to avoid corrosion of the film.
  - On painted surface, ensure the paint has completely dried.
  - If applied on top of another vinyl, it is recommended to use a cast vinyl.
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- For cleaning there are 3 cleaning products according to the type and the condition of the substrate: HEXIS'O (mild cleaner), CLEAN HEXIS (medium cleaner and degreaser), ND 45 (strong cleaner and degreaser). Do not forget to carry out a test on a small area to verify the compatibility with the substrate.
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- Before printing the film must be at room temperature (near 21 °C; 70 °F).
  - Always check the compatibility of the vinyl with the chosen printing system.
  - To prevent the vinyl from undulating adjust the printing temperature to 35 °C to 40 °C (95 °F to 104 °F) depending on the printer model.
  - Before laminating, cutting or applying the vinyl leave the inks to dry for a minimum of 48 hours.
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- For cutting applications leave a 6 mm-bleed of the film to avoid undulating edges. Plotting right to the edge will cause adhesion problems at the edge of the film.
  - For cutting applications use sharp standard blade with the plotter at a slow setting.  
Optimum pressure may vary depending on the manufacturer. Carry out a prior test with the plotter. The cutting pressure is slightly higher than that used for an intermediate vinyl.
  - You may use the HEX900, HEX902 or HEX905 transfer paper or film the letters or logos.
  - After application of the transfer paper or transfer film on the cut graphic turn over so that the tape is underneath. Carefully remove the liner and apply to the substrate.
  - It is important to press hard with the squeegee to ensure perfect adhesion of the film on the substrate.
  - Peel tape slowly at an angle of 180°.
  - Having removed the tape, apply again with the felt squeegee over the total surface of the lettering or graphic, in particular on overlaps and the corners to prevent them from peeling.
  - For outdoor applications it is necessary to reinforce the edges with an edge sealant (cf SEALIT pen) in order to prevent the oxidation of the metallised film and avoid peeling.
  - Maintenance and cleaning: Wash with a mild detergent and a non-abrasive cloth. Do not clean the film within 48 hours after application because of the risk of altered adhesion and possible peeling.
  - Once printed we recommend lamination of the film with a PC30 or V750 laminate.

**SHELF LIFE:**

1 years at +20 °C to +25 °C (+68 °F to +77 °F) and 50 % to 55 % relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

**DURABILITY:**

- Unprinted vertical outdoor exposure: 3 years\*.
- Printed vertical outdoor exposure: 2 years.
- Printed and laminated vertical outdoor exposure: 3 years.

\* Durability of unprinted and laminated Deco films can reach 5 years depending on exposure.

**Note:**

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. All data are believed to be correct but do not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: [www.hexisgroup.com](http://www.hexisgroup.com).