



DATA SHEET DIGITAL PRINTING VINYL PERMANENT ADHESIVE HXRI00WG2

Cast cadmium-free 50 micron polymeric PVC film, coated with a pressure sensitive acrylic adhesive, for adhesion on low energy surfaces. Micro-structured adhesive for convenient application and elimination of air bubbles. Suitable for inkjet printing with solvent, eco-solvent, UV and HP Latex inks. Gloss surface finish.

SPECIFICATIONS:

| | <u>Average values</u> | <u>Standard</u> |
|---|-----------------------|-----------------|
| • Thickness (µm): | 50 | |
| • Total caliper (µm): | 230 | |
| • Total specific weight (g/m ²): | 260 | HEXGSM001 |
| • Tensile strength (N/25mm): | min. 20 | HEXNFX4102I |
| • Elongation at break (%): | min. 100 | HEXNFX4102I |
| • Dimensional stability (mm): after 168h at 70°C | < 0.6 | HEXRET001 |

GENERAL PRINTER COMPATIBILITIES:

- Inkjet printers with solvent, eco-solvent, UV and HP Latex inks.

LINER:

- Embossed silicone PE paper 145 g/m² with light grey “THE CAST by HEXIS” print.
- Stable under hygrometric variations.

ADHESIVE PROPERTIES:

(Average values measured while editing the technical data sheet)

On glass

- | | | |
|-----------------------------------|----|-----------|
| • Peel on glass at 180° (N/25mm): | | HEXFTM001 |
| 20 minutes after application | 16 | |
| 24 hours after application | 17 | |
| • Initial tack (N/25mm): | 19 | HEXFTM009 |

On polypropylene

- | | | |
|---|------|-----------|
| • Peel on polypropylene at 180° (N/25mm): | | HEXFTM001 |
| 20 minutes after application | 9 | |
| 24 hours after application | 11 | |
| • Initial tack (N/25mm): | 7 | HEXFTM009 |
| • Release (N/25mm): | 0.60 | HEXFTM003 |
- The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

RECOMMENDATIONS:

- Touch dry after less than 10 minutes depending on printer used.
- The surface aspect can be advantageously improved by applying the appropriate laminate PC30G2 gloss, PC30M2 super matt or PC30M3 matt finish.
- Optimum drying time before laminating or varnishing is 48 hours.
- Minimum application temperature +10°C (+50°F).
- Optimum environment -40°C to +90°C (-40°F to +194°F).
- Solvent based acrylic adhesive.
- Special adhesive for low energy surfaces (polypropylene, polyethylene...).
- Structured adhesive for convenient application and elimination of air bubbles.
- Immediate and permanent adhesion; maximum adhesion after 24 hours.
- Dry application.
- Highly conformable, recommended for vehicles.
- Very good adhesion on glass, steel, aluminium, PVC, melamine ... except grained surfaces or acrylic paints.
- In the case of painted substrates self-adhesive media must only be applied onto the undamaged original paintwork. If the paint is not the original paintwork and/or if it is damaged, the application and the removal are at the installer's risk.

SHELF LIFE:

- 1 year at +15°C to +25°C (+59°F to +77°F) and 30 to 70% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

DURABILITY:

- Unprinted vertical outdoor exposure: 10 years.
- Printed and laminated vertical outdoor exposure: 4 years.
- Printed vertical outdoor exposure: 2 years.

Note:

Because of the great variety of substrates and possible application methods the installer must examine the suitability of the media for each application. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force. All published data are based on measurements carried out regularly under laboratory conditions. They do, however, 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 seller assumes 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.