



## TECHNICAL DATA SHEET - DIGITAL PRINTING - LAMINATE - PERMANENT ADHESIVE PC50MICP2

Film composed of a 50- $\mu$ m, highly conformable, clear, cast PVC, which is coated with a pressure-sensitive acrylic adhesive. Glossy surface finish; for cold laminating microperforated films.

### **FILM FEATURES:**

|   | <u>Indicative value</u> |                 |
|---|-------------------------|-----------------|
| • Thickness ( $\mu$ m):                       | 50                      |                 |
|   | <u>Average values</u>   | <u>Standard</u> |
| • Tensile strength (N/25 mm):                 | min. 15                 | HEXNFX41031     |
| • Elongation at break (%):                    | min. 100                | HEXNFX41031     |
| • Shrinkage 168 hours at 70 °C (158 °F) (mm): | < 0.4                   | HEXRET001       |

### **LINER:**

- 75- $\mu$ m PET liner, unprinted.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

(Measured average values at publication of the technical data sheet)

|   | <u>Average values</u> | <u>Standard</u> |
|---|-----------------------|-----------------|
| • Peel strength test 180° on glass (N/25 mm): |                       | HEXFTM001       |
| after 20 minutes of application               | 17                    |                 |
| after 24 hours of application                 | 21                    |                 |
| • Initial tack (N/25 mm):                     | 22                    | HEXFTM009       |
| • Release (N/25 mm):                          | 0.2                   | HEXFTM003       |

- Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).

### **ADHESIVE:**

- Solvent-based acrylic adhesive.
- Immediate and permanent adhesion.

## **USER'S INSTRUCTIONS:**

- Protection of microperforated films printed with solvent inkjet technology.
- Minimum recommended application temperature: +10 °C (+50 °F).
- Operating temperature range: from -40 °C to +90 °C (-40 °F to +194 °F).
- The film can be cleaned using a non-abrasive sponge or soft cloth.
- UV protection.
- In the case of an already painted substrate, self-adhesive media must only be applied to undamaged original paintwork. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

## **OPERATING RECOMMENDATIONS:**

- Before applying this laminate to a microperforated HEXIS film intended for solvent-based digital printing, it is recommended to respect the optimal drying time for the inks of 24 hours.

## **STORAGE:**

- Shelf life (before application):

The shelf life of this film is 1 year when stored upright in its original packaging in a dust-free environment at a temperature ranging from +15 °C to +25 °C (+59 °F to +77 °F) with relative humidity of 50 %.

## **DURABILITY:** (Central European climate)

- Vertical exposure: 2 years.

*To find the indicative durabilities of the films for any other exposure and geographical area, please refer to the "Conversion rules for indicative durabilities according to geographical area" chart available under Durability, on the "Professionals" pages on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).*

## **NOTES:**

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the medium for each application. The measuring methods for the standards quoted above served as the basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use. All the published information is based on measurements regularly performed in the laboratory. It does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Our specifications are automatically updated on our website [www.hexis-graphics.com](http://www.hexis-graphics.com).