



## HXR301EPS

### PRODUCT DESCRIPTION:

90-µm printable polypropylene film which is coated with a super-reinforced, pressure-sensitive acrylic adhesive. Due to its super-reinforced adhesive, this product is particularly recommended for applications to slightly rough walls (e.g. concrete). For short-term applications. Film intended for UV inkjet printing; it does not require a protective lamination. Satin surface finish.

*What are the advantages of PVC-free films? These products reduce the environmental impact; they consume less energy in the production of the elements that go into their composition; they do not release volatile organic compounds during this phase, nor do they release acid gases (hydrogen chloride) in the event of combustion or solar deterioration.*

### FILM FEATURES:

|   |  |                              |
|---|--|------------------------------|
| • Thickness                             | (Indicative value)<br><b>90 µm</b>             |                              |
| • Total thickness                       | (Indicative value)<br><b>290 µm</b>            |                              |
| • Total weight                          | (Average values)<br><b>270 g/m<sup>2</sup></b> | Method<br><b>HEXGSM001</b>   |
| • Tensile strength                      | (Average values)<br><b>min. 10 N/25 mm</b>     | Method<br><b>HEXNFX41021</b> |
| • Elongation at break                   | (Average values)<br><b>min. 100 %</b>          | Method<br><b>HEXNFX41021</b> |
| • Shrinkage 168 hours at 70 °C (158 °F) | (Average values)<br><b>&lt; 0.4 mm</b>         | Method<br><b>HEXRET001</b>   |

### LINER:

- Silicone-coated and embossed PE paper.
- Stable under hygrometric variations

### ADHESIVE PROPERTIES:

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

|   |  |                            |
|---|--|----------------------------|
| • Peel strength test at 180°; Measurement support glass                       |  |                            |
| after 20 minutes of application   | (Average values)<br><b>24 N/25 mm</b>  | Method<br><b>HEXFTM001</b> |
| after 24 hours of application   | (Average values)<br><b>27 N/25 mm</b>  | Method<br><b>HEXFTM001</b> |
| • Initial tack  | (Average values)<br><b>21 N/25 mm</b>  | Method<br><b>HEXFTM009</b> |
| • Peel strength test 180°; Measurement support polypropylène                  |  |                            |
| after 20 minutes of application   | (Average values)<br><b>18 N/25 mm</b>  | Method<br><b>HEXFTM001</b> |
| after 24 hours of application   | (Average values)<br><b>18 N/25 mm</b>  | Method<br><b>HEXFTM001</b> |
| • Initial tack  | (Average values)<br><b>17 N/25 mm</b>  | Method<br><b>HEXFTM009</b> |
| • Release   | (Average values)<br><b>0.1 N/25 mm</b> | Method<br><b>HEXFTM003</b> |
| • The adhesive is resistant to most chemicals (alcohol, diluted acids, oils). |  |                            |



## ADHESIVE:

- Solvent-based acrylic adhesive.
- Special low energy surface adhesive (polypropylene, polyethylene, etc.).
- Adhesive suitable for applications to irregular surfaces (e.g. concrete).
- Structured adhesive for faster application and air evacuation.
- Immediate and permanent adhesion.

## PRINTING GUIDE:

- Touch-dry right after printing.
  - Laminating the film after printing is not recommended.

*HEXIS cannot be held liable for any damage caused to the printed film by laminating the latter.*

## USER'S INSTRUCTIONS:

- Dry application method

*It is mandatory to use the so-called «dry» application method with this film, due to its HEX'PRESS liner. This technology means you can easily reposition the film on the substrate during application, while not excluding the squeegeeing step for optimal adhesion of the film to the substrate.*

- Recommended minimum application temperature: +10 °C (+50 °F) acceptable down to -1 °C (+30 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F)
  - For application to irregular surfaces, the substrate must be cleared of all traces of dust to ensure optimum adhesion of the film.
  - Very good adhesion to slightly rough surfaces (e.g. concrete), except chalky or damaged substrates (cracks, holes, humidity or condensation spots, excess texture) or substrates coated with acrylic paints...

## STORAGE:

- Storage period before use  
**1 year**
- Storage temperature  
**+15 °C to +25 °C (+59 °F to +77 °F)**
- Relative humidity during storage  
**with relative humidity of 50 %**

- Storage area  
**in a dust-free environment**
- Storage method before use  
**in its original packaging**
- Orientation of rolls before use  
**vertically**

## DURABILITY: (Central European climate)

- Vertical outdoor exposure:  
Unprinted: 6 months according to the substrate and type of exposure.

## CERTIFICATION:

Fire-smoke classification



Fire-smoke classification standard  
**EN 13501-1:2007 + A1:2018**

Fire-smoke classification protocol no.  
**EFR-20-000993A**

## 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 of the published information is based on measurements regularly performed in the laboratory. The published information 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).