



## TECHNICAL DATA SHEET - DIGITAL PRINTING - PVC - PERMANENT ADHESIVE TOR300IWG

Film composed of a 100- $\mu$ m calendered, high-opacity, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. For solvent, eco-solvent, latex and UV inkjet printing. Glossy surface finish.

### **FILM FEATURES:**

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	100	
• Total thickness of the product ( $\mu$ m):	230	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $\text{g/m}^2$ ):	285	HEXGSM001
• Tensile strength (N/25 mm):	min. 30	HEXNFX41021
• Elongation at break (%):	min. 100	HEXNFX41021
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.8	HEXRET001
• Opacity (%):	> 99	HEXOPA001

### **GENERAL PRINTER COMPATIBILITES:**

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>TOR300IWG</b>	✓	✓	✓	✓

### **LINER:**

- Silicone-coated Kraft paper 137  $\text{g/m}^2$ , with light blue HEXIS print.
- 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	12	
after 24 hours of application	16	
• Initial tack (N/25 mm):	10	HEXFTM009
• Release (N/25 mm):	0.2	HEXFTM003
• Resistance to solvents: the adhesive is resistant to most chemicals (alcohol, diluted acids, oils).		

**ADHESIVE:**

- Acrylic adhesive.
- Immediate and permanent adhesion.

**USER'S INSTRUCTIONS:**

- Touch-dry after less than 10 minutes depending on printer used.
- Do not leave the media on the printer while stopped.

*Extended contact (over 6 hours) without use may cause the media to buckle when cooling.*

- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range (outdoors): from -40 °C to +90 °C (-40 °F to +194 °F).
- Very good adhesion to glass, steel, aluminium, PVC, melamine, etc. except grain substrates or substrates coated with acrylic paint.
- 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:**

- For all coatings, optimal drying time for the inks is 24 hours minimum.
- The surface finish of your printing may be modified/improved/protected by a judicious choice of laminating films V700 or V650. For UV printing, protect with the laminating film VCR650.

**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 outdoor exposure on flat surfaces:  
Unprinted: 4 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).