



## TECHNICAL DATA SHEET - DIGITAL PRINTING - SPECIAL FOR TRUCK TARPULINS VTB90IWGI

The film is composed of an 80- $\mu$ m, cast PVC, which is coated with a pressure-sensitive, acrylic adhesive. Usable for solvent, eco-solvent, latex and UV inkjet printing. Intended for application to truck tarpaulins. It has a glossy surface finish.

### FILM FEATURES:

	<u>Indicative values</u>	
• Thickness ( $\mu$ m):	80	
• Total thickness of the product ( $\mu$ m):	305	
	<u>Average values</u>	<u>Standard</u>
• Total weight of the product ( $\text{g}/\text{m}^2$ ):	330	HEXGSM001
• Tensile strength (N/25 mm):	min. 15	HEXNFX4102I
• Elongation at break (%):	min. 100	HEXNFX4102I
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.8	HEXRET001

### GENERAL PRINTER COMPATIBILITIES:

	<b>Solvent</b>	<b>Eco-solvent</b>	<b>Latex</b>	<b>UV</b>
<b>VTB90IWGI</b>	✓	✓	✓	✓

### LINER:

- Silicone-coated PE paper 145  $\text{g}/\text{m}^2$  with light grey "THE CAST by 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>
<b>On glass</b>		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 20 minutes of application	20	
after 24 hours of application	23	
• Initial tack (N/25 mm):	25	HEXFTM009
<b>On PVC banner</b>		
• Peel strength test 180° (N/25 mm):		HEXFTM001
after 24 hours of application	22	
• Release (N/25 mm):	0.4	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:**

- Dry application only.

*Since truck tarpaulins are generally structured, applying adhesive-coated film to a wet tarpaulin or applying film using an application liquid will strongly reduce the optimal film adhesion. The liquids trapped in the tarpaulin structure will not be able to be expelled during application.*

- This product is intended for application to road transport tarpaulins.

*Due to its flexibility, VTB90IWGI adapts perfectly to the substrate's unevenness and therefore provides durable, long-term adhesion. The film will conform smoothly to the tarpaulin's undulations.*

- Application to a new, clean and perfectly degreased tarpaulin (HEXIS'O or isopropyl alcohol).

*Applying to a used or new uncleaned tarpaulin is at the customer's judgement.*

- The application of the film must be carried out in a flat position on a rigid support.
- Possibility of transferring the film using the HEX904 tape.
- Recommended minimum application temperature: +15 °C (+59 °F).
- Operating temperature range: -40 °C à +90 °C (-40 °F to +194 °F).
- After application, wait for at least 24 hours before using the truck.

**OPERATING RECOMMENDATIONS:**

- Optimal drying time for the inks before laminating or further processing is 48 hours minimum.
- The surface finish of your printings may be modified/improved/protected by one of the PTB900 laminates.
- HEXIS recommend verifying the compatibility of the film sample with the substrate under real conditions of use before completing the project. Many external factors that are not controllable by HEXIS, such as the chemical composition of the substrate and the environmental conditions of use, can have an impact on the durability of the film.
- For more information on the application and maintenance method of the VTB901 film, please refer to the Application Guide on the "Professionals" pages, category "Digital printing media" on our site [www.hexis-graphics.com](http://www.hexis-graphics.com).

**STORAGE:**

- Shelf life (before use):

The shelf life of this film is 1 year when stored in its unopened original packaging at a temperature ranging from 15 °C to 25 °C (+59 °F to +77 °F) with relative humidity between 30 % and 70 %.

**DURABILITY:** (Central European climate)

- Vertical outdoor exposure:  
Unprinted: up to 5 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 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).