



## TECHNICAL DATA SHEET - DIGITAL PRINTING - SPECIAL FOR TRUCK TARPAULINS

### PTB900G – PTB900M – PTB900S

Film composed of a 50- $\mu$ m, clear, cast PVC, which is coated with a pressure-sensitive acrylic adhesive. Intended for cold-laminating cast printable VTB901WGI films for truck tarpaulins. Glossy (PTB900G), matt (PTB900M) or satin (PTB900S) surface finish.

#### **FILM FEATURES:**

	<u>Indicative value</u>	
• Thickness ( $\mu$ m):	50	
	<u>Average values</u>	<u>Standard</u>
• Tensile strength (N/25 mm):	min. 30	HEXNFX4103I
• Elongation at break (%):	min. 100	HEXNFX4103I
• Shrinkage 168 hours at 70 °C (158 °F) (mm):	< 0.5	HEXRET00I
• UV absorption (%):	> 90	NF EN 410

#### **LINER:**

- Silicone-coated PE paper 145 g/m<sup>2</sup>, with 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>
• Peel strength test 180° on glass (N/25 mm):		HEXFTM00I
after 20 minutes of application	16	
after 24 hours of application	19	
• Initial tack (N/25 mm):	21	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:**

- For protecting cast digital printing films for truck tarpaulins.
- Minimum recommended application temperature: +10 °C (+50 °F).
- Operating temperature range: -40 °C to +90 °C (-40 °F to +194 °F).
- 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.
- After application, wait for at least 24 hours with the tarpaulin stretched out before using the truck.
- Tarpaulin + film cleaning: Wait for one week before carrying out the first washing. Use soft detergents (such as ShampcarV2). If you intend to use a high-pressure water jet, respect a minimum distance of 50 cm (19.69 in.) and a maximum water temperature of 35 °C (95 °F) while taking care not to focus too heavily on the film's edges at the risk of them peeling off.

*HEXIS recommend forwarding these cleaning instructions to the end user. It is the responsibility of the end user to carry out a preliminary cleaning test on a small inconspicuous surface of the area concerned.*

## **OPERATING RECOMMENDATIONS:**

- Prior to any lamination, coating or other of a cast printed film for truck tarpaulins, you must wait for 48 hours after printing in order to ensure optimal drying time for the inks.

## **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:

Without mechanical stress: up to 5\* years.

With mechanical stress: depends on the type and frequency of the stresses.

*A film applied to surfaces exposed to mechanical stress will be subject to repeated abrasion that will reduce more or less rapidly its lifespan (change of appearance, peeling off, etc.).*

\*Time during which the film retains a correct surface finish, from a conventional viewing distance. (A slight and gradual change in colour and gloss is a natural and inevitable phenomenon inherent in the natural breakdown of the materials). The durability indicated in this document concerns only the laminate and not the finished visual or graphic. 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).