



permanent



high tack



pe



100 mic



anti curling



anti waving



## decal vinyl P HT PE 100

Self-adhesive vinyl with 100 mic monomeric PVC film with high performance high tack permanent adhesive and 135 g/sqm double side PE liner. Recommended for a wide range of short-term promotional applications on flat surfaces.

### SUBSTRATE

- White and Clear soft calendered PVC, made from monomeric resins.

Finish	White Glossy	White Matte	Clear Glossy		
		<i>Value</i>		<i>Tolerance</i>	<i>Standard</i>
Thickness (µm)	100	100	100	± 10%	ASTM D 1593
Weight (g/m <sup>2</sup> )	133	134	117	± 10%	ASTM D 1593
Gloss (60°C) (%)	≥ 65	≤ 15	≥ 90		ASTM D 523
Fire Behavior		B s1 / d0			ISO 13501-1 / ISO 11925-2

### ADHESIVE

- Clear UV acrylic based, permanent high tack
  - Good adhesion to low energy surfaces.

	<i>Value</i>	<i>Standard</i>
Peel Adhesion 20 min steel (N/25mm)	> 12	FINAT FTM1
Peel Adhesion 24 h steel (N/25mm)	> 25	FINAT FTM1
Shrinkage (mm)	Max. 0,5	FINAT FTM14
Application temperature (°C)	> 10	
Service temperature (°C)	-40 to 80	

### LINER

- PE double side coated

	<i>Value</i>	<i>Tolerance</i>	<i>Standard</i>
Thickness (µm)	148	± 10µm	ISO 534
Weight (g/sqm)	135	± 10%	ISO 536

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### DURABILITY

- Durability: up to 4 years (unprocessed and when applied under vertical exposure - normal Central European climate)
  - Shelf Life: 24 months from the date of manufacture, applicable only to material that has not been processed, and stored according to the following conditions:
    - This material must be stored at a temperature of  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$  and  $50\% \pm 5\%$  relative humidity, without major climate deviations.
    - The storage area must be dry and clean.
    - Keep the material in the original package when not in use, in order to protect it from dust and contamination.
    - Do not expose to direct sunlight or heat sources.
    - The product must be stored vertically, so that its quality is not compromised.
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### PRINTING METHODS

- Specially designed for solvent, eco-solvent, latex, UV, and UV Gel printing on large format printers.
  - We recommend that latex printing is carried out at a maximum temperature of  $105^{\circ}\text{C}$ .
  - Since the migration of the plasticizer affects the quality of the latex print, Decal only guarantees it for 6 months. After that date the material must be used in solvent, eco-solvent and UV printing.
  - This product must be protected with the recommended lamination in order to provide the necessary strength.
  - For the best possible print quality, please make sure you are using the correct print profiles.
  - An excessive quantity of ink in the product will result in changes in its characteristics, in inappropriate drying, lamination detachment and / or poor product performance.
  - Inadequate drying can result in curls, wrinkles and adhesion failures, which is reflected in the result of the material's performance. A minimum drying period of 48 hours is recommended before any further processing. Drying should be done with the product unrolled.
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### APPLICATIONS

- Application surface: flat
  - Substrate not recommended for floor graphics (areas with car traffic); flexible substrates; non-flat surfaces; carton walls painted or unpainted; plaster walls; wallpaper; unclean or rough surfaces; surfaces with degraded paint.
  - Do not expose to combustible vapors or spills.
  - Surfaces on which the material will be applied must be carefully cleaned and free of dust or any other contamination that may affect the material adhesion.
  - Non-vertical application results in a significant reduction in durability, as well as climate and angles of sun exposure. It is recommended that the film remains at least 24 hours at the temperature of the workplace before it is used.
  - There may be other factors not described here that may influence the performance in the use.
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### IMPORTANT REMARKS

- Decal is not responsible for the ease or speed of removal of the applied material. It is necessary to have into account the appropriate air and substrate temperatures.
- The user must determine the material's compatibility with the intended specific application, before using it.
- We recommend that, to carry out a job, the same batch of product is used.
- The data provided in this information is based on our knowledge and experience. It is intended to be a source of information and is not a guarantee. It can be subject to change without previous notice.
- Decal is not responsible for misuse or improper storage, never being responsible for loss or damage to third parties.

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Approved by: SC

Please, check our website [www.decal-adhesive.com](http://www.decal-adhesive.com) for additional information or request any clarification needed from our technicians.