



permanent



bubble free



pe



100 mic



blockout



anti curling



anti waving



decal vinyl P BF PE 100 BO

Self-adhesive vinyl with high opacity 100 mic. monomeric PVC film, high performance permanent adhesive and 145 gr/m2 Clay coated Double PE embossed paper liner. Recommended for a wide range of short term promotional applications on flat surfaces.

SUBSTRATE

- White soft calendered PVC, with superior opacity, made from monomeric resins.

Finish	White Glossy	White Matte	Tolerance	Standard
	Value			
Thickness (µm)	100	100	± 10%	ASTM D 1593
Weight (g/m2)	128	130	± 10%	ASTM D 1593
Gloss (60°C) (%)	≥ 65	≤ 15		ASTM D 523
Opacity (D65/10°) - %	99,11	98,88		Digdelta Test Method
Fire Behavior	B s1 / d0			ISO 13501-1 / ISO 11925-2

ADHESIVE

- Clear acrylic based, permanent bubble free

	Value	Standard
Peel Adhesion 20 min (N/25mm)	> 6	FINAT FTM1
Peel Adhesion 24 h (N/25mm)	> 12	FINAT FTM1
Shrinkage (mm)	Max. 0,5	FINAT FTM14
Application temperature (°C)	> 10	
Service temperature (°C)	-40 to 80	

LINER

- Clay coated Double PE embossed paper

	Value	Tolerance	Standard
Thickness (µm)	180	± 10%	DIN 20534
Weight (g/m2)	145	± 10%	ISO 536

decal vinyl P BF PE 100 BO

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.

PRINTING METHODS

- Specially developed for solvent, eco-solvent, latex, UV, and UV Gel printing on large format printing equipment.
- We recommend that latex printing is carried out at a maximum temperature of 105°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.

APPLICATIONS

- Application surface: flat
- Substrate not recommended for floor graphics (areas with car traffic); flexible or low energy 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.

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.
- 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.
- We recommend using the same product batch for a given project.
- Decal is not responsible for misuse or improper storage, never being responsible for loss or damage to third parties.

Revision date of the technical data sheet: 16/05/25
Approved by: SC

Please, check our website www.decal-adhesive.com for additional information or request any clarification needed from our technicians.