



removable



pe



100 mic



anticurling



antiwaving



## decal vinyl R dot matrix PE 100

Self-adhesive vinyl, with 100 mic monomeric PVC film (the white matte with high opacity), smooth removable dot matrix adhesive for easy application and repositioning on smooth non-porous surfaces and 130 gr double side PE liner, which provides great stability to the product. Suitable for short-term indoor applications.

### SUBSTRATE

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

Finish	Clear Glossy		White Matte		Tolerance	Standard
	Value		Value			
Thickness (µm)	100		100		± 10%	ASTM D 1593
Weight (g/m <sup>2</sup> )	117		130		± 10%	ASTM D 1593
Gloss (60°C) (%)	≥ 90		≤ 15			ASTM D 523
Opacity (D65/10°) - %	-		98,88			Digidelta Test Method
Fire Behavior			B s1 / d0			ISO 13501-1 / ISO 11925-2

### ADHESIVE

- Clear acrylic based, smooth removable, dot adhesive easy apply



	Value	Standard
Peel Adhesion 20 min steel (N/25mm)	> 2	FINAT FTM1
Peel Adhesion 24 h steel (N/25mm)	> 4	FINAT FTM1
Shrinkage (mm)	Max. 0,5	FINAT FTM14
Application temperature (°C)	> 10	
Service temperature (°C)	-10 a 70	

### LINER

- PE double side coated

	Value	Tolerance	Standard
Thickness (µm)	148	± 10µm	ISO 534
Weight (g/m <sup>2</sup> )	130	± 10%	ISO 536

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### DURABILITY

- Durability: up to 1 year (unprocessed), depending on the application.
- 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, latex and UV large format printing.
- 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.
- 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 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

- Designed for indoor applications on smooth surfaces, short to medium term, such as trade shows, seasonal sales, etc.
- **Application with water is not recommended.**
- 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: The product can be easily removed by peeling it off after it has reached its useful life. Some adhesive residue may appear after the product has been exposed to UV rays and high temperatures. Removing it slowly, at a maximum speed of 5 cm/second, will reduce the amount of residue left.
- When applied to PVC surfaces, adhesive residue may remain upon removal.
- Surfaces on which the material will be applied must be carefully cleaned and free of dust, grease 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.
- Removing the film from hot surfaces (eg shop windows, steel surfaces, etc...) is not recommended as the adhesive may remain on the surface. In these cases we recommend that you cool the surface before removing the material.
- Due to the multiple application areas of this material (combined with various films, PVC sheets or other application substrates) physically determined dimensional change can occur which can be triggered by temperature changes during processing and/or during application.
- 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 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.
- 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 specifications in our datasheets serve as references and are not explicitly intended to be a basis for warranty or guarantee.
- 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: 22.02.24  
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