



removable



smooth surface



pe



100 mic



uvp



anti curling



anti waving



## decal pvc Free RSS dot matrix PE 100 UVP

PVC Free that offers a 100-micron polypropylene (PP) film with UV protection and stabilization, featuring a smooth surface dot matrix adhesive for easy application and repositioning on smooth, non-porous surfaces, and a double-sided PE liner of 135 g/m<sup>2</sup>, providing excellent stability during printing. Recommended for short-term indoor applications.

### FACE MATERIAL

- White PP with UV protection.

Finish	White Glossy		White Matte		
	<i>Value</i>		<i>Tolerance</i>		<i>Norm</i>
Thickness (µm)	100	100	± 5		GB/T6672
Weight (g/m <sup>2</sup> )	86	86	± 5		GB/T 451.2 - 2002
Gloss (60°C) (%)	75	4	±10/±1		GB/T 9754-2007
Opacity (D65/10°) (%)	> 95	> 95	-		GB/T 1543 - 2005

### ADHESIVE

- Clear acrylic-based, smooth surface dot adhesive for easy application.

	<i>Value</i>	<i>Norm</i>
Peel Adhesion 20 min (N/25mm)	> 1	FINAT FTM1
Peel Adhesion 24 h (N/25mm)	> 1,5	FINAT FTM1
Dimensional Stability (mm)	Máx 0,5	FINAT FTM 14
Application Temperature (°C)	> 10	
Service Temperature (°C)	-10 to 70	

### LINER

- PE double side coated

	<i>Value</i>	<i>Tolerance</i>	<i>Norm</i>
Thickness (µm)	148	± 10µm	ISO 534
Weight (g/m <sup>2</sup> )	135	± 10%	ISO 536

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## DURABILITY

- Durability: up to 6 months indoors (unprocessed).
- STORAGE: 24 months, applicable only to unprocessed material, under the following STORAGE CONDITIONS:
  - This material must be stored at a temperature of 20°C ± 5°C and 50 ± 5% relative humidity, without major climate deviations.
  - The storage area must be dry and clean.
  - Keep the material in its original packaging when not in use, to protect it from dust and contamination.
  - Do not expose to direct sunlight or heat sources.
  - The product should be stored vertically to ensure its quality is not compromised.

## PRINTING METHODS

- Specially developed for solvent, latex, and UV printing.
- For latex printing, a maximum temperature of 75°C is recommended.
- This product should be protected with the recommended lamination to provide the necessary resistance.
- To achieve the best possible print quality, please ensure that the correct print profiles are used.
- Excessive ink usage on the product will result in altered characteristics, improper drying, delamination, and/or poor product performance.
- Inadequate drying can result in curling, wrinkling, and adhesion failures, affecting the material's performance. A minimum drying time of 48 hours is recommended before any additional processing. Drying should be done with the product unrolled.

## APPLICATIONS

- Application surface: smooth and non-porous.
- For optimal adhesive performance, do not apply with water.
- Applications: short-term indoor and outdoor advertising, such as glass surfaces.
- This substrate is not recommended for floor graphics (areas with vehicular traffic); flexible or low-energy substrates; non-flat surfaces; painted or unpainted drywall; plaster walls; wallpaper; poorly cleaned or rough surfaces; degraded paint surfaces. The material should be well-pressed during film application.
- Do not expose to combustible vapors or spills.
- The surfaces where the material will be applied must be carefully cleaned and free of dust, grease, or any other contamination that could affect adhesion.
- Non-vertical application implies a significant reduction in durability, as well as the effects of climate and solar exposure angles. Before using the film, we recommend allowing it to acclimate to the workplace temperature for at least 24 hours.
- Removing the film from hot surfaces (e.g., storefront windows, steel surfaces) is not recommended, as the adhesive may remain on the surface. In such cases, we recommend cooling the surface before removing the material.
- Application on wet surfaces or using an application fluid (wet application) may result in adhesive residue remaining on the surface after removal. Since no two surfaces are the same, it is recommended to perform tests before use to verify removal ability.
- Other factors not described here may influence product performance during use.

## IMPORTANT REMARKS

- Decal is not responsible for the ease or speed of removal of the applied material. It is necessary to consider the appropriate air and substrate temperatures.
- The data provided in this information is based on our practical knowledge and experience. It is intended to
- be a source of information and does not constitute a guarantee. Subject to change without prior notice.
- The user must determine the material's compatibility with the intended specific application before use.
- The specifications in our technical data sheets serve as references and explicitly do not intend to be a basis for a guarantee or warranty.
- We recommend using the same batch of product for the execution of a job.
- Decal is not responsible for misuse or improper storage, and is never responsible for loss or damage to third parties.

Technical Data Sheet Revision Date: 03/10/24

Approved by: SC

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