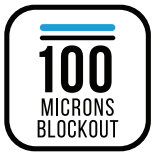
DECAL
THINK GREEN!

DECAL VINYL 100.140 RWB BO GREYBACK

PVC MONOMERIC
3 YEARS



FILM

LINER

ADHESIVE

"Printing Vinyl is a family of PVC products specially designed for applications that require high stability and quality of printing with excelent indoor and outdoor durability."

PRODUCT DESCRIPTION

- **Substrate**: White Glossy/Matte Monomeric PVC, soft calendered, made from monomeric resins. It presents excellent quality of printing and stability to solvents, with superior opacity.
- **Adhesive**: Removable Acrylic "solvent free", pressure sensitive. The adhesive's color completely prevents the passage of light, conferring outstanding opacity to the final product.
- **Liner**: Clay coated one side siliconised paper
- **Durability**: < 3 years (outdoor) / < 5 years (indoor)
- **Common uses**: Suitable for printing and flat surfaces aplications such as outdoor publicity or on the side of vehicles
- **Recommended printing method:** UV, solvent

PROPERTIES OF THE SUBSTRATE

	Average value	*Standard used*
Thickness (µm)	100	ASTM D 1593
Grammage (g/m2)	133	ASTM D 1593
Shrinkage - md/cd – (10 min 70º) (%)	-2 / +0.5	ASTM D 1204
Surface energy (dyne/cm)	37	ASTM D 2578
Tensile Strength – md/cd (MPa)	40 / 36	ASTM D 882
Elongation at break - md/cd (%)	380 / 450	ASTM D 882
Gloss (60º) (%)	> 75	ASTM D 523
Temperature of use (ºC)	20 - 30	
Relative Humidity (use) (%)	50	

PROPERTIES OF THE ADHESIVE

	Average value	*Standard used*
Peel Adhesion (N/25mm)	4 – 6	FINAT (FTM1/Inox/Initial)

PROPERTIES OF THE LINER

	Average value	*Standard used*
Thickness (µm)	118	DIN 20534
Grammage (g/m2)	140 (±20)	ISO 536
Release Force (cN/25mm)	30	FINAT 10

CONSIDERATIONS AND RECOMMENDATIONS

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- Surface for application: flat.
- This product has been tested and approved for use in conjunction with the recommended laminations. The film should be protected with the recommended lamination in order to provide the necessary strength. Please consult our range of products to find out which lamination best suits your situation.
- Film not recommended for floor graphics (areas with car traffic), flexible or low energy films, painted or non-painted carton walls, plaster walls, wallpaper, poorly cleaned or rough surfaces, surfaces with degraded ink.
- Do not expose to common spills or vapours.
- Non-vertical application results in a significant decrease of the durability, as well as an inadequate climate and angles of solar exposure. Before film usage, it is recommended that it is left at least 24h at the temperature of the workplace. Other factors not described here may influence performance in use.
- Removal: without heat or chemicals
- Store between 15 and 25ºC and 50%RH, protected from solar exposure, in a clean dry location, in the original package. The product must be stored vertically in order to ensure that the quality is not compromised.
- Use within 1 year of the production date, as long as kept in the closed original package.
- An excessive quantity of paint in the product will result in changes of its characteristics, inappropriate drying and detachment of the laminate and/or poor performance.
- Inadequate drying may result in windings, wrinkles and adhesion failures, which translates into poor performance of the product. It is recommended a minimum drying time or 48h before any additional processing. Drying should be done with the product unrolled.

IMPORTANT NOTE

- Decal can't be held accountable for the ease or speed of removal of the applied material. The air and the film's temperature have to be taken into account.
- The data provided in this technical sheet is based on our knowledge and experience. It's supposed to be a source of information and cannot be used as a guarantee. The data contained here is subject to changes without previous notice.
- The end user should determine the materials' compatibility with the intended application, prior to using it. Decal won't be held accountable for misuse or inadequate storage, and cannot therefore be responsible for losses or damages to third parties.
- Claims are only accepted if the client has the QR codes available alongside the product and placed in the production sheet.

TEST METHODS

Adhesion – FINAT FTM1	The test is done by removing a strip, 25mm wide, at an angle of 180º from the inox steel plate with the help of a 50kg cell dynamometer. The value is measured after production and again after a period of time that allows the stabilization of the adhesive's properties, which you then compare with the values from the Quality Control tests.

Revision Date of the Technical Data Sheet: 19.01.18

Approved by: RJ

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