

Product code: 4-GL2A-09740

RI-FLECTIVE WHITE AP940 PERMANENT WK120

A complete range of self-adhesive solutions for a total or partial decoration of any type of vehicle: private, commercial, fleet and emergency. Suitable also for wall decoration, for indoor and outdoor signs and fairs and events.

All our self-adhesive materials are suitable for the main large format digital printing techniques: solvent, eco-solvent, Latex and UV ink-jet to meet all market requirements.

Applications

Material with a high grade of retroreflection. Used for road traffic signs and industrial safety markings.

Face Material

Reflective white plastic film, engineering grade.

Face Material	Synthetic plastic film	
Colour and Finish	Reflective white	
Weight	200 g/m ² ±10%	ISO-536
Thickness	110 µm ±10%	ISO 534-80
Dimensional stability	< 0.3 %	ASTM D1204
Tensile Strength MD	> 12 N/mm ²	ASTM D882
Tensile Strength CD	> 15 N/mm ²	ASTM D882
Elongation at break MD	> 150 %	ASTM D882
Elongation at break CD	> 70 %	ASTM D882
Flammability	SELF-EXTINGUISH	ISO 3795:1989
Outdoor vertical exposure durability	UP TO 5 YEARS	

Adhesive

Acrylic permanent adhesive featuring high clarity and very high cohesion. Designed for a wide variety of substrates such as glass, ABS, PS, PVC. Unsuitable for apolar surfaces (like PE and PP). This adhesive complies with FDA 175.105.

Reference	AP940	
Type	Acrylic permanent	
Min. Appl. Temp.	+10 °C	
Service Temperature	-30°C/+120°C	
Shear	High	FINAT FTM8
Initial adhesion	> 6 N/25mm	FINAT FTM1
Final Adhesion	> 10 N/25mm	FINAT FTM1

Liner

Type	One side siliconised Kraft paper	
Colour and Finish	White	
Weight	120 g/m ² ±10%	ISO-536
Thickness	113 µm ±10%	ISO 534-80
Transparency	n/a %	DIN 53 147-64

Printing Methods

RI-FLECTIVE film gives excellent results with solvent and eco-solvent digital printing.

Shelf life

24 months, applicable only to the material delivered by Ritrama which has not undergone further processing, under the storage conditions as defined by FINAT section 2.5:

- Ideal storage conditions are at a temperature of 20 -25 °C and 40 - 50 % HR.
- Store in a cool and dry place.
- Do not store close to a heat source or in direct sunlight.
- Keep the material in the original packaging until required for use.

Pay particular attention to the recommended shelf-life and ensure correct stock rotation.

Disclaimer

All Ritrama's products are subject to manufacturing controls in order to guarantee the good quality of the products. The statements, technical information, data, values and recommendations regarding Ritrama's products are based on research and tests we believe to be reliable, but do not constitute a guarantee or warranty of whatsoever nature.

Considering the multiple uses of Ritrama's products, the user is recommended to test the products prior to their use, so to determine and ascertain the suitability and performance of the product for its intended application and purpose.

The methods of conversion and application of Ritrama's self-adhesive materials are multiple and it is therefore essential that the users are aware of the particular method to be used, prior to commencing the production.

Printing: Testing for compatibility between product, printers and inks is always highly recommended before printing the product.

Application Systems and Conditions: it is recommended that the performance of the product be always tested in the actual applications conditions as substrate state (rough, smooth, flat or irregular shapes, moderate curves, with or without rivets); applicator technology (hand application or fully automated lines); specific stress on Ritrama material once applied (high and/or low temperature, mechanical stress, exposure to challenging environment conditions), et cetera.

As Ritrama's products are used in conditions beyond its control, such as those listed above as example, Ritrama does not assume any liability for inappropriate use of the products.

Ritrama reserves the right to modify at any time and without the need of a prior notice, at its sole and exclusive discretion, the products, their features and technical specifications.

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