



Product code: 4-GL3B-08198

### HI-GRIP 75 GLOSS WHITE AP972 EXTRA PERMANENT WKPE144

A complete range of self-adhesive solutions for a total or partial decoration of private, commercial, fleet, safety, emergency and recreational vehicles and caravans, as well as for walls decoration, indoor, outdoor and illuminated signs as well as for 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

Decorative applications for plastics fairing or tanks for motocross, quad bikes and Go Karts; warning applications on heavy equipment and industrial trucks.

If solvent ink is not perfectly dry, penetration phenomena may occur such as to contaminate both the vinyl and the adhesive, resulting in a very high shrinkage and edge curl.

Floor graphics:

Suitable for use as outdoor floor graphics when used in conjunction with 4-GL3B-01346 RI-121/200 FLOOR TALKER CLEAR AP906 PERMANENT WG90, certified as R10 for slip resistance.

The product should be applied strictly on smooth surfaces or smooth concrete for up to 3 months outdoor duration.

To be applied on clean, dust free and dry surfaces. Round edges are recommended to help prevent lift. Please refer to Technical bulletin TB\_5\_0: SELF ADHESIVE MATERIALS: APPLICATION TO FLOORS.

### Face Material

Gloss white polymeric vinyl.

<b>Face Material</b>	Polymeric vinyl	
<b>Colour and Finish</b>	Gloss white	
<b>Weight</b>	103 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	75 µm ±10%	ISO 534-80
<b>Dimensional stability</b>	< 1.5 %	ASTM D1204
<b>Tensile Strength MD</b>	> 22 N/mm <sup>2</sup>	ASTM D882
<b>Tensile Strength CD</b>	> 22 N/mm <sup>2</sup>	ASTM D882
<b>Elongation at break MD</b>	> 200 %	ASTM D882
<b>Elongation at break CD</b>	> 150 %	ASTM D882
<b>Flammability</b>	SELF-EXTINGUISH	ISO 3795:1989
<b>Outdoor vertical exposure durability</b>	UP TO 5 YEARS	

## Adhesive

Extra permanent adhesive with excellent adhesion on indoor wall. The adhesive has a very high peel adhesion and it is suitable also for apolar surfaces (e.g. PE, PP).

<b>Reference</b>	AP972	
<b>Type</b>	Acrylic extra permanent	
<b>Min. Appl. Temp.</b>	+5 °C	
<b>Service Temperature</b>	-30°C / +120°C	
<b>Shear</b>	Low	FINAT FTM8
<b>Initial adhesion</b>	> 14 N/25mm	FINAT FTM1
<b>Final Adhesion</b>	> 24 N/25mm	FINAT FTM1

## Liner

<b>Type</b>	Siliconised two side PE Kraft	
<b>Colour and Finish</b>	White	
<b>Weight</b>	141 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	160 µm ±10%	ISO 534-80
<b>Transparency</b>	n.a. %	DIN 53 147-64

## Printing Methods

Printable with UV and solvent screen-printing, UV offset and solvent and eco-solvent based ink-jet. Printable with HP Latex printers. To avoid excessive shrinkage of printed material, a 0.5 mm unprinted edge around the printed image is strictly advised.

## 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.

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