



Product code: RIT-10138 (Formerly 4-1882)

## **RIT-10138** Glossy Cast Vinyl RITRAMA 54" x 150' (1.37m x 45.7m)

This product is engineered to provide excellent durability, flexibility and conformability for application to compound curves. Produced with repositionable adhesive for slide ability during application for easy placement.

### Applications

Vehicle, transit and trade show graphics, long term outdoor advertising, signage and P.O.P. displays.

### Face Material

Type	Cast vinyl film	
Color and Finish	White gloss	
Thickness	2.0 mil ±10%	ISO 534-80
Dimensional stability	0.02 in max	FTM14
Tensile Strength	> 2.2 Lb/inch	ASTM D882
Elongation at break	> 100 %	ASTM D882
Durability* - unprocessed	10 years	outdoor vertical exposure

*\*The Durability data are given for unprocessed films only and based on zone 1 (Northern Europe & Northern US) exposure conditions.*

### Adhesive

Solvent based repositionable permanent adhesive, featuring low initial tack with high final adhesion value and good water resistance. Ideal for car wrapping.

Reference	AP921	
Type	Grey permanent repositionable	
Min. Appl. Temperature	+50°F	
Service Temperature	-5°F / +250°F	
Shear	Very high	
Initial Adhesion	1.5 Lb/inch	FTM1 on glass
Final Adhesion	2.5 Lb/inch	FTM1 on glass

### Liner

Type	Embossed two-side PE coated Kraft with AirFlow channels	
Color and Finish	White	
Weight	90# ±10%	PP-032 - ISO 536
Thickness	6.0 mil ±10%	ISO 534

### Shelf Life

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

- Ideal storage conditions are at a temperature of 68 - 77 °F 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.



## Printing Methods

Specifically formulated to optimize ink jet printing. The cast vinyl promotes consistent ink dot size to optimize print color and quality. The surface is ink jet printable with solvent, eco-solvent, and latex inks. Many print profiles are available.

## Over-laminating Films Recommended

RIT-10183 – RI-JET FLEXILAM GLOSS CLEAR AP970 50#

RIT-10184 – RI-JET FLEXILAM LUSTER CLEAR AP970 50#

RIT-10185 – RI-JET FLEXILAM MATTE CLEAR AP970 50#

## Substrate Preparation

All surfaces to which the material will be applied must be thoroughly cleaned with a good quality cleaning solution. Ensure all traces of any contamination and cleaning agents are totally removed prior to application of the material. Self-adhesive media should only be applied to OEM painted surfaces and their use on repaired or damaged paintwork is not recommended. The compatibility of lacquers and paints should be tested by the user prior to the application.

## Application

Please refer to our Technical Bulletin ([www.ritrama.com](http://www.ritrama.com)) for specific technical details for the correct application and removal of the media.

## Maintenance & Cleaning

Structured films are physically more sensitive than the unstructured one, it should be treated cautiously. Recommend manual car washing with non-abrasive cleaner. Do not apply waxes or polishes. Suggest the use of a medium power sprayer pressure and the power sprays must be perpendicular. Avoid hitting the edge at an angle with the power spray or it could result in lifting.

## 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.*

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