

Product code: 4-IL2E-06934

## STONE GUARD PU 150 MY GLOSS CLEAR AP 906 PET 75 MY

A complete range of self-adhesive solutions for lamination and application of all large format digital materials printed with the main types of ink: solvent, UV, eco-solvent and Latex and UV ink-jet.

### Applications

Specially designed for various automotive surfaces, this material provides protection against paintwork chips and abrasion caused by stones etc.

### Face Material

Gloss clear aliphatic polyurethane

<b>Type</b>	Aliphatic polyurethane	
<b>Colour and Finish</b>	Gloss clear	
<b>Weight</b>	173 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	150 µm ±10%	ISO 534-80
<b>Dimensional stability</b>	< 0.1 %	ASTM D1204
<b>Tensile Strength MD</b>	> 25 N/mm <sup>2</sup>	ASTM D882
<b>Tensile Strength CD</b>	> 15 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

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).

<b>Reference</b>	AP906	
<b>Type</b>	Acrylic permanent	
<b>Min. Appl. Temp.</b>	+10 °C	
<b>Service Temperature</b>	-20°C/+140°C	
<b>Shear</b>	Very High	FINAT FTM8
<b>Initial adhesion</b>	> 8 N/25mm	FINAT FTM1
<b>Final Adhesion</b>	> 13 N/25mm	FINAT FTM1

## Liner

<b>Type</b>	One side siliconised PET	
<b>Colour and Finish</b>	Clear	
<b>Weight</b>	105 g/m <sup>2</sup> ±10%	ISO-536
<b>Thickness</b>	75 µm ±10%	ISO 534-80
<b>Transparency</b>	50 %	DIN 53 147-64

## Printing Methods

Not printable.

## 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.

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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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