

## Fusion Digital Permanent 301PC

This monomeric white matte vinyl is a high-performance print media designed for professional signage and graphic applications. 100-micron bright white PVC film, engineered to deliver exceptional colour accuracy and high colour rendering. Backed with a durable 140gsm PEK liner that includes double-sided PE and silicon coating, ensuring smooth handling and consistent application.

The film is coated with a permanent clear adhesive, providing excellent reliable adhesion across a variety of surfaces. This vinyl offers stable ink absorption, outstanding dimensional stability, and robust weather resistance.

Certified under REACH Regulation (EC No. 1907/2006) and RoHS 2.0, the product meets stringent EU environmental standards, ensuring it is safe and sustainable for use in a broad range of professional settings.



Permanent Adhesive



3 Year\*



Solvent, Eco-Solvent  
Latex & UV Printing



White Matte  
Clear Adhesive



1370mm

### APPLICATIONS:

This white matte vinyl is suitable for a wide range of uses including flat vehicle panels, exterior and interior signage, display boards, and other advertising applications. It is a versatile choice for high-quality graphics in both indoor and outdoor environments. Short to medium term.

### TECHNICAL DATA:

TEST ITEM	UNIT	TEST METHOD	AVG VALUE
PVC film thickness	Micron	GB/T6672-2001	100±10
Weight-liner	g/m <sup>2</sup>	GB4669-1995	140±10
Weight-finished product	g/m <sup>2</sup>	GB4669-1995	300±20
Gloss 60°	%	GB8807-88	≥20
Initial adhesion	N/25mm	FTM 9	≥10
24h, 180° peel	N/25mm	FTM 1	≥12
Dimension stability MD	mm	FTM 14	≤1.0
Dimension stability CD	mm	FTM 14	≤0.6
Tensile strength MD	N/25mm	GB/T1040.1-2006	≥45
Tensile strength CD	N/25mm	GB/T1040.1-2006	≥40
Construction temperature	°C		20±10°C
Applicable temperature	°C		-20~+70
Shelf Life	1 Year		

*Testing condition: Indoor temperature 23±2°C; Relative humidity 50±5%; Use aluminum, glass, steel plate as the base material for testing. \* All technical data is subject to change without prior notice.*

*\*Year life is based on European conditions.*



# Additional Technical Data:

## STORAGE CONDITIONS

Always store the product in its original packaging with all protective materials intact. If stored horizontally, do not exceed six layers. Avoid exposure to direct sunlight or heat sources.

Shelf life is six months when stored at  $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$  with relative humidity of  $50\% \pm 15\%$ . Under these conditions, the shelf life may extend to 12 months.

## CONSTRUCTION REQUIREMENTS

Printing Environment: Clean, dust-free environment without suspended matter

Temperature:  $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Relative humidity:  $50\% \pm 10\%$

Materials should be acclimated in the printing environment for at least 24 hours prior to use. Always test before use and allow sufficient edge margins when printing.

## APPLICATION REQUIREMENTS:

Temperature:  $20^{\circ}\text{C} \pm 10^{\circ}\text{C}$

Relative humidity:  $50\% \pm 10\%$

Apply only to clean, smooth, even, and dust-free substrate surfaces.

Avoid stretching the film excessively during application, as this may cause curling. Film flexibility also decreases at lower temperatures. After installation, allow a minimum curing time of 2 hours.

## WARRANTY CONDITIONS

The warranty is valid only when the product is stored in its original packaging. For more information refer to individual product data sheet.

## IMPORTANT REMARKS

The information in this product data sheet is based on tests carried out by the manufacturer, which we consider reliable. However, environmental humidity levels above 70% may negatively impact print quality.

The self adhesive vinyl product featuring permanent adhesive may leave residue depending on the substrate and duration of application. For best results, it is recommended to use the media from the same batch when joining panels.

