



Fusion Digital Base 100

With bubble free,
black permanent adhesive

Fusion Base 100 is a premium adhesive material designed for optimal performance. Its stable ink absorption results in vibrant colors and vivid images, while its 90% covering rate effectively hides the color of the substrate.

Featuring a bubble-free adhesive design on the liner, it ensures easy application, making it ideal for large advertising areas. Additionally, its good dimensional stability post-application guarantees a professional finish, while its stable glue performance enables hassle-free adhesion to a wide range of substrates.



Service life: Up to 1 year



Bubble free



Suitable for various solvent ink,
Eco-solvent ink and UV ink.



Fusion Digital Base 100 Technical Data

Film:	100 micron; glossy PVC film
Adhesive:	Black permanent adhesive
Liner:	140 gsm bubble free one-side PE liner
Width:	1.06/1.27/1.37/1.52/1.82/2.02m

TESTING CONDITION:

Indoor temperature $23\pm 2^{\circ}\text{C}$; Relative humidity $50\pm 5\%$; Use aluminum, glass, steel plate as the base material for testing.

TEST ITEM	UNITS	TEST METHOD	AVG VALUE
PVC Thickness	Micron	GB/T6672-2001	100 ± 10
Liner -Weight	g/m^2	GB4669-1995	140 ± 10
Finished Product -Weight	g/m^2	GB4669-1995	310 ± 20
Gloss Rate 60%	%	GB8807-88	≥ 60
Initial Adhesion	N/25mm	FTM 9	≥ 8
24h, 180°peel	N/25mm	FTM 1	≥ 10
Dimensional stability MD	mm	FTM 14	≤ 1.2
Dimensional stability CD	mm	FTM 14	≤ 1.0
Tensile strength MD	N/25mm	GB/T1040.1-2006	≥ 45
Tensile strength CD	N/25mm	GB/T1040.1-2006	≥ 40
Construction Temperature	$^{\circ}\text{C}$		$20\pm 10^{\circ}\text{C}$
Applicable Temperature	$^{\circ}\text{C}$		$-20 \sim +70^{\circ}\text{C}$

STORAGE CONDITION:

Products always need to be stored in the original packing and with the original protection materials, preferably stored vertically, no more than 6 layers if stored horizontally. Do not expose in direct sunlight or heat sources. Shelf life will be one year with temperature of $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ and relative humidity of $50\pm 15\%$.

PRODUCTION AND APPLICATION ENVIRONMENT:

Production environment: temperature of $25\pm 5^{\circ}\text{C}$, relative humidity of $50\pm 10\%$, clean dust-free environment without suspended matter; Please move the materials to the printing environment 24 hours before printing. Test prior to use and maintain margins when printing.

Application environment: Temperature of $20\pm 10^{\circ}\text{C}$, relative humidity of $50\pm 10\%$; Application on flat, smooth and clean surface without floating dust and shedding; Leave print for 2 hours before laminating.

WARRANTY CONDITION:

1. One year shelf life: stored in suitable conditions, preferably use within 6 months.
2. One year warranty period: From the product manufacture date.

1. The information mentioned in this product data sheet is based upon tests that were executed by the manufacturer, and that we consider to be reliable. Environment humidity more than 70% in different district will decrease the printing result.

2. This product has permanent glue and has the possibility of residual gum with different substrate and pasting period. It is advised to use the same batch of product when joining.

*All technical data is subject to change without prior notice.