

Fusion Digital One-Way Vision

202W

This high-quality one-way vision film is designed for effective window graphics and privacy applications. Constructed from a 160-micron white PVC film with a black back, it features a clear adhesive and a dual liner system – consisting of a 100gsm perforated double PE liner and a 93gsm PE release paper – for enhanced stability and ease of use during printing and installation. This product is suitable for a wide range of commercial and promotional applications.

This film offers excellent ink absorption and reliable dimensional stability. Its perforated structure – 1.60mm hole size with 40% open area – allows for one-way visibility, making it ideal for creating impactful window graphics while maintaining privacy and reducing interior visibility. This feature makes it a popular choice for retail & commercial window advertising.

Tested and certified under REACH Regulation (EC No. 1907/2006) and RoHS 2.0, the film complies with strict European environmental protection standards.



Permanent Adhesive



2 Year*



Solvent, Eco-Solvent,
HP Latex & UV Inks



Clear Adhesive



1.60mm, 40% Perf



1370/1520mm

APPLICATIONS:

This one-way vision film is suitable for application on glass surfaces, as well as transparent acrylic, PVC and PET panels. Short to medium term.

TECHNICAL DATA:

TEST ITEM	UNIT	TEST METHOD	AVG VALUE
PVC thickness	Micron	GB/T6672-2001	160±10
Weight-liner	g/m ²	GB4669-1995	160±10
Weight-finished product	g/m ²	GB4669-1995	320±20
Initial adhesion	N/25mm	FTM 1	≥5
Dimension stability MD	mm	FTM 14	≤0.5
Dimension stability CD	mm	FTM 14	≤0.4
Tensile strength MD	N/25mm	GB/T1040.1-2006	≥35
Tensile strength CD	N/25mm	GB/T1040.1-2006	≥30
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.

