

# Window Perf with Dual Liner

Now rated at 3-year durability, Fellers Black Label perforated window film is the longest rated non-cast film available on the market. There are two different liner options in a variety of sizes. Our perforated window films are made with a robust, durable film laminated to a black film and coated with clear solvent adhesive. The film's black back provides the ability to see through the film from the backside once applied to a glass surface. The film's adhesive system provides a secure bond to withstand the toughest outdoor conditions for up to 3 years yet is highly removable. Backed by our Buy and Try Guarantee.

Product Description	50/50 White/Black (UV Printable)	60/40 White/Black (UV Printable)	70/30 White/Black (UV Printable)
<b>Film</b>			
Film Type	White/Black	White/Black	White/Black
Film Thickness (mils/microns)	6 / 150	6 / 150	6 / 150
Film Weight (g/m <sup>2</sup> )	200	200	200
Gloss (60°)	>75	>75	>75
Opacity (%) with adhesive	100	100	100
Tensile Strength (N/mm <sup>2</sup> )	MD: >21 CD: >21	MD: >21 CD: >21	MD: >21 CD: >21
Elongation (%)	MD: >150 CD: >150	MD: >150 CD: >150	MD: >150 CD: >150
Dimensional Stability (mm of shrink)	MD: ≤0.30 MD: ≤0.30	MD: ≤0.30 MD: ≤0.30	MD: ≤0.30 MD: ≤0.30
<b>Adhesive</b>			
Adhesive Type	Solvent - Removable	Solvent - Removable	Solvent - Removable
Adhesive Thickness (mils/icrons)	0.9 / 4	0.9 / 23	0.9 / 23
Adhesive Color	Clear	Clear	Clear
Peel Strength on <a href="#">Stainless Steel</a> : 15min typical value (lbs/in / N/25m)	0.90 / 4	1.13 / 5	1.35 / 6
Peel Strength on <a href="#">Stainless Steel</a> : 24hrs typical value (lbs/in / N/25m)	1.46 / 6.5	1.58 / 7	1.91 / 8.5
<b>Liner</b>			
Liner Thickness (mils / microns)	8.66 / 220	8.66 / 220	8.66 / 220
Liner Weight (# per ream) / (g/m <sup>2</sup> )	141.89 / 210	141.89 / 210	141.89 / 210
Liner Type	Dual DSPE <sup>1</sup>	Dual DSPE <sup>1</sup>	Dual DSPE <sup>1</sup>
Release Force @ 300"/min (g/2in)	<60	<60	<60
<b>Performance Guidance</b>			
Application Temperature	>40 °F	>40 °F	>40 °F
Application	Indoor/Outdoor Vehicle Windows*	Indoor/Outdoor	Indoor/Outdoor
Service Temperature	0 °F to 150 °F	0 °F to 150 °F	0 °F to 150 °F
Shelf Life	18 months	18 months	18 months
Storage Temp / Rel. Humidity	70 °F / 50%	70 °F / 50%	70 °F / 50%
Outdoor Durability	3 years <sup>2</sup>	3 years <sup>2</sup>	3 years <sup>2</sup>
Printers	S, ES, L, UV, Sc <sup>3</sup>	S, ES, L, UV, Sc <sup>3</sup>	S, ES, L, UV, Sc <sup>3</sup>
<b>Additional</b>			
Peel Strength on <a href="#">Glass</a> : 15min typical value (lbs/in / N/25m)	0.90 / 4	1.13 / 5	1.35 / 6
Peel Strength on <a href="#">Glass</a> : 24hrs typical value (lbs/in / N/25m)	1.35 / 6	1.58 / 7	1.80 / 8

\*Subject to local and state laws. This is NOT a guarantee.

#### Disclaimer

All data provided in this document is based upon tests executed by Fellers or their manufacturing partners and determined to be reliable information. Results may represent an average and any minimum or maximum values provided should be considered as a recommendation based on average circumstances. In the end, it is up to the end user to determine at their risk if the product is right for the desired application and outcome. These settings do not provide or imply a guarantee of the products use, outdoor durability, removability, or printability. In general, non-vertical applications can result in a reduced performance of 50% or more. This information is subject to change at any time without notice.

#### Annotations:

<sup>1</sup> DSPE - Double-Sided PE

<sup>2</sup> Normal Conditions, Vertical Position

<sup>3</sup> S - Solvent, ES - Eco-Solvent, L - Latex, UV - UV, Sc - Screen



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