



Price rating:

\$\$\$	\$\$\$\$	\$\$\$\$
		
Thermal Wood/alu series 78mm	Passiva 140	Fineline

Frame dimensions

Fixed window

Width Stiles (inches)	3 1/8	3 31/32	3 3/8
Uf - BTU/(h *°F ft²)	0.1762	0.1338	0.125
Width Sill (inches)	3 1/8	3 31/32	3 3/8
Uf - BTU/(h *°F ft²)	0.1762	0.1338	0.125
Width Header (inches)	3 1/8	3 31/32	3 3/8
Uf - BTU/(h *°F ft²)	0.1762	0.1338	0.125

Operable window

	Tilt and turn	Outswing	Tilt and turn	Outswing	Tilt and turn	Outswing
Width Stiles (inches)	5 1/8	5 11/32	5 7/16	N/A	3 3/8	N/A
Uf - BTU/(h *°F ft²)	0.1762		0.1338	N/A	0.1250	N/A
Width Sill (inches)	5 3/8	5 11/32	5 7/16	N/A	3 3/8	N/A
Uf - BTU/(h *°F ft²)	0.1762		0.1338	N/A	0.1250	N/A
Width Header (inches)	5 1/8	5 11/32	5 7/16	N/A	3 3/8	N/A
Uf - BTU/(h *°F ft²)	0.1762		0.1338	N/A	0.1250	N/A

French door

	Narrow style	Entry style	Outswing	Narrow style	Entry style	Outswing	Narrow style	Entry style	Outswing
Width Stiles (inches)	5 1/8	6 7/8	7 1/2	5 7/16	N/A	N/A	3 3/8	N/A	N/A
Uf - BTU/(h *°F ft²)	0.1762			0.1338	N/A	N/A	0.1250	N/A	N/A
Width threshold (inches)	5 3/8	5 3/8	5 1/8	5 7/16	N/A	N/A	3 3/8	N/A	N/A
Uf - BTU/(h *°F ft²)	0.1762			0.1338	N/A	N/A	0.1250	N/A	N/A
Width Header (inches)	5 1/8	6 7/8	7 1/2	5 7/16	N/A	N/A	3 3/8	N/A	N/A
Uf - BTU/(h *°F ft²)	0.1762			0.1338	N/A	N/A	0.1250	N/A	N/A

Uw - BTU/(h *°F ft²)

Up to 0.1585

Up to 0.1409

Up to 0.1180

All Bieber windows and doors are available with the following glass selection:

Glass configuration	Warm Edge Technology	Gas	Glass Configuration Thickness		Thermal transmission coefficient - Ug (EN 673)		Energy and Light Factor (EN 140) can vary with glass supplier			European Thermal conductivity (Window only)		Thermal conductivity (Window only)		European Thermal conductivity (Window only)		Thermal conductivity (Window only)		European Thermal conductivity (Window only)		Thermal conductivity (Window only)	
					US Ug	European Ug	Solar Factor SHGC	Light Transmittance	Color Reflexion Index												
Ext./Spacer/Int										Uw 1.	Uw 2.	Uw 1.	Uw 2.	Uw 1.	Uw 2.	Uw 1.	Uw 2.	Uw 1.	Uw 2.	Uw 1.	Uw 2.
mm			Inch	mm	BTU/(h *°F ft²)	W/m²k	%	%	-	W/m²k	BTU/(h *°F ft²)	W/m²k	BTU/(h *°F ft²)	W/m²k	BTU/(h *°F ft²)	W/m²k	BTU/(h *°F ft²)	W/m²k	BTU/(h *°F ft²)	W/m²k	BTU/(h *°F ft²)
4LE-16-4-16-4LE	Yes	Argon	1 12/16	44	0.1057	0.6	50	72	96	0.9	1.0	0.1585	0.1761	0.7	0.7	0.1233	0.1233	N/A	N/A	N/A	N/A
44/2LE-14-4-14-4LE	Yes	Argon	1 12/16	45	0.1057	0.6	45	70	94	N/A	N/A	N/A	N/A	0.7	0.7	0.1233	0.1233	N/A	N/A	N/A	N/A
44/2FE-12-4-12-4FE	B	Argon	1 10/16	41	0.1233	0.7	45	70	94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SPS10FE-12-4-12-4FE	B	Argon	1 10/16	42	0.1233	0.7	45	70	94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.79	0.79	0.1391	0.1391
4L-16-4-16-4L	B	Argon	1 12/16	44	0.1057	0.6	55	72	96	0.9	1.0	0.1585	0.1761	0.8	0.8	0.1409	0.1409	0.71	0.71	0.1250	0.1250
4LE-12-4-12-4LE	Yes	Krypton	1 7/16	36	0.0881	0.5	50	72	96	0.9	0.9	0.1585	0.1585	0.67	0.67	0.1180	0.1180	N/A	N/A	N/A	N/A
4FE-18-4-18-4FE	B	Argon	1 14/16	48	0.0881	0.5	50	72	96	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.67	0.67	0.1180	0.1180
44/2FE-16-4-16-4FE	B	Argon	1 15/16	49	0.1057	0.6	45	70	94	0.9	1.0	0.1585	0.1761	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SPS10FE-16-4-16-4FE	B	Argon	1 15/16	50	0.1057	0.6	45	70	94	0.9	1.0	0.1585	0.1761	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

All Bieber Windows and Doors' products are custom made to order. Please note that any other wood profile dimension and glass selection will change the Uw value. Bieber Windows and Doors has made every effort to ensure that the information contained in this brochure is accurate. However, we accept no responsibility for errors or omissions and we reserve the right to modify the designs, characteristics, data and products at any time, without obligation. Uw 1. for a pine window with the dimension 1480mm / 1450mm (58.25" / 57.08") with 1 sash. Uw 2. for a pine window with the dimensions 1480 / 1450 (58.25" / 57.08") with 2 sashes.

Fineline and Passiva 140 are certified by the PassivHaus Institut in Darmstadt, Germany.