



## Sun Windows, Inc. Product Performance Data

Clad Thermal Performance (Cardinal 270, 366, E180 and i89 )  
NFRC 100/200/500

### SunClad Patriot Wide Frame Fixed Lite

Product	Grid Type	Glazing	Glass	Glazing Description	U-Value	R-Value	SHGC	VT	CR
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; 270 #2/Clr	0.26	3.85	0.29	0.54	62
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; 270 #2/i89 #4	0.22	4.55	0.28	0.53	49
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.26	3.85	0.29	0.41	62
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; 366 #2/Clr	0.25	4.00	0.21	0.50	62
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; 366 #2/i89 #4	0.21	4.76	0.21	0.49	50
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; Bronze tint/366 #3	0.25	4.00	0.25	0.38	62
Patriot Wide Frame Fixed	N	DG	D	3/4" I.G.; Clr / E180 #3	0.27	3.70	0.54	0.62	61
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.20	5.00	0.27	0.50	72
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.18	5.56	0.26	0.49	59
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.20	5.00	0.20	0.46	73
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.18	5.56	0.26	0.49	59
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.26	0.48	79
Patriot Wide Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.19	0.44	79
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; 270 #2/Clr	0.27	3.70	0.26	0.49	62
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; 270 #2/i89 #4	0.23	4.35	0.26	0.47	49
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.27	3.70	0.26	0.36	62
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; 366 #2/Clr	0.27	3.70	0.19	0.45	62
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; 366 #2/i89 #4	0.23	4.35	0.19	0.44	50
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; Bronze tint/366 #3	0.27	3.70	0.22	0.34	62
Patriot Wide Frame Fixed	GBG	DG	D	3/4" I.G.; Clr / E180 #3	0.28	3.57	0.48	0.55	61
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.24	0.44	72
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.21	4.76	0.18	0.41	73
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.24	0.43	79
Patriot Wide Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.18	0.40	79
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 270 #2/Clr	0.27	3.70	0.26	0.49	62
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 270 #2/i89 #4	0.24	4.17	0.26	0.47	49
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.27	3.70	0.26	0.36	62
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 366 #2/Clr	0.26	3.85	0.19	0.45	62
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 366 #2/i89 #4	0.24	4.17	0.19	0.44	50
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Bronze tint/366 #3	0.26	3.85	0.22	0.34	62
Patriot Wide Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Clr / E180 #3	0.28	3.57	0.48	0.55	61
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.24	0.44	72
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.21	4.76	0.18	0.41	73
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.24	0.43	79
Patriot Wide Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.18	0.40	79
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 270 #2/Clr	0.26	3.85	0.23	0.43	62
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 270 #2/i89 #4	0.24	4.17	0.23	0.42	49
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.26	3.85	0.23	0.32	62
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 366 #2/Clr	0.26	3.85	0.18	0.40	63
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 366 #2/i89 #4	0.24	4.17	0.17	0.39	50
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Bronze tint/366 #3	0.26	3.85	0.20	0.30	63
Patriot Wide Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Clr / E180 #3	0.27	3.70	0.43	0.49	61
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.22	0.39	72
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.20	5.00	0.21	0.38	59
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.20	5.00	0.16	0.36	73
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.20	5.00	0.21	0.38	59
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.21	0.38	79
Patriot Wide Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.16	0.35	79