



Sun Windows, Inc. Product Performance Data

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

SunClad Patriot Narrow Frame Fixed Lite

Product	Grid Type	Glazing	Class	Glazing Description	U-Value	R-Value	SHGC	VT	CR
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; 270 #2/Clr	0.26	3.85	0.32	0.60	62
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; 270 #2/i89 #4	0.22	4.55	0.31	0.59	49
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.26	3.85	0.32	0.45	62
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; 366 #2/Clr	0.26	3.85	0.23	0.56	62
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; 366 #2/i89 #4	0.21	4.76	0.23	0.54	49
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; Bronze tint/366 #3	0.26	3.85	0.27	0.42	62
Patriot Narrow Frame Fixed	N	DG	D	3/4" I.G.; Clr / E180 #3	0.26	3.85	0.53	0.65	62
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.20	5.00	0.29	0.55	72
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.18	5.56	0.29	0.54	59
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.20	5.00	0.22	0.51	72
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.18	5.56	0.29	0.54	59
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.15	6.67	0.29	0.53	78
Patriot Narrow Frame Fixed	N	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.15	6.67	0.21	0.49	78
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; 270 #2/Clr	0.28	3.57	0.29	0.54	62
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; 270 #2/i89 #4	0.23	4.35	0.28	0.53	49
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.28	3.57	0.29	0.40	62
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; 366 #2/Clr	0.27	3.70	0.21	0.50	62
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; 366 #2/i89 #4	0.23	4.35	0.21	0.49	49
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; Bronze tint/366 #3	0.27	3.70	0.24	0.37	62
Patriot Narrow Frame Fixed	GBG	DG	D	3/4" I.G.; Clr / E180 #3	0.29	3.45	0.53	0.61	61
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.27	0.49	72
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.18	5.56	0.26	0.48	59
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.21	4.76	0.20	0.45	72
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.18	5.56	0.26	0.48	59
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.26	0.47	78
Patriot Narrow Frame Fixed	GBG	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.19	0.44	78
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 270 #2/Clr	0.27	3.70	0.29	0.54	62
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 270 #2/i89 #4	0.24	4.17	0.28	0.53	49
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.27	3.70	0.29	0.40	62
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 366 #2/Clr	0.27	3.70	0.21	0.50	62
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; 366 #2/i89 #4	0.24	4.17	0.21	0.49	49
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Bronze tint/366 #3	0.27	3.70	0.24	0.37	62
Patriot Narrow Frame Fixed	5/8" SDL	DG	D	3/4" I.G.; Clr / E180 #3	0.24	4.17	0.21	0.49	49
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.27	0.49	72
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.19	5.26	0.26	0.48	59
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.21	4.76	0.20	0.45	72
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.19	5.26	0.26	0.48	59
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.26	0.47	78
Patriot Narrow Frame Fixed	5/8" SDL	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.16	6.25	0.19	0.44	78
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 270 #2/Clr	0.27	3.70	0.26	0.48	62
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 270 #2/i89 #4	0.24	4.17	0.25	0.47	49
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Bronze Tint/270 #3	0.27	3.70	0.26	0.36	62
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 366 #2/Clr	0.26	3.85	0.19	0.44	62
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; 366 #2/i89 #4	0.24	4.17	0.19	0.43	50
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Bronze tint/366 #3	0.26	3.85	0.22	0.33	62
Patriot Narrow Frame Fixed	>=1" SDL	DG	D	3/4" I.G.; Clr / E180 #3	0.28	3.57	0.48	0.54	61
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/Clr	0.21	4.76	0.24	0.44	72
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/Clr	0.20	5.00	0.18	0.41	72
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/i89 #6	0.19	5.26	0.24	0.43	59
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 270 #2/Clr/E180 #5	0.16	6.25	0.23	0.42	78
Patriot Narrow Frame Fixed	>=1" SDL	TG	D	1.375" I.G.; 366 #2/Clr/E180 #5	0.15	6.67	0.17	0.39	78