

Standard

**EN410**

Select product

**Sentinel Plus Stainless Steel 25 OSW**

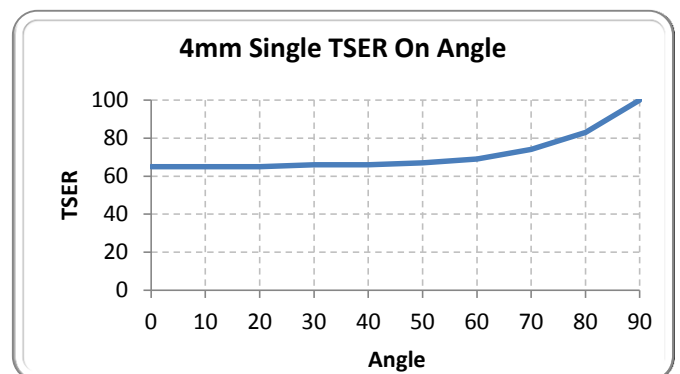
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
<b>Performance results</b>								
<b>Visible light</b>								
Transmittance %	24	24	22	21	18	21	20	19
Reflectance exterior %	28	28	29	29	28	29	29	29
Reflectance interior %	25	25	29	29	22	24	32	26
Glare reduction %	74	74	73	73	74	74	73	74
<b>Solar energy</b>								
Transmittance %	23	22	20	18	11	14	17	12
Absorptance %	50	51	53	55	60	58	56	60
Reflectance %	27	27	27	27	29	28	27	28
Solar heat gain coefficient (G-value)	,35	,34	,27	,26	,14	,19	,23	,15
Light to solar heat gain ratio (VLT/SHGC)	,69	,69	,81	,82	1,26	1,10	,87	1,21
Total solar energy rejected %	65	66	73	74	86	81	77	85
Total solar energy rejected % @60°	69							
Solar heat gain reduction %	60	60	65	65	66	70	67	69
<b>Thermal energy</b>								
Emissivity	,86	,86	,86	,86	,86	,86	,86	,86
Winter U-factor (W/m <sup>2</sup> °C)	5,7	5,7	2,8	2,8	1,1	1,1	1,8	0,6
Winter heat loss reduction %	0	0	0	0	0	0	0	0
<b>Ultraviolet light</b>								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
<b>Fade control</b>								
UV Tdw-ISO @ 300 to 700 nm %	16	16	15	15	12	14	14	13
Fade Reduction %	81	80	80	79	79	79	79	78

**IR rejection**

780 to 2500nm	86	87
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**Physical properties**

Thickness (microns)	50	microns
Tensile Strength ASTM D 882	2110	kg/cm <sup>2</sup>
Elongation ASTM D 882	>100	%
Yield Stress (5%) ASTM D 882	1100	kg/cm <sup>2</sup>
Break Strength ASTM D 882	11,0	kg/cm
Yield Strength (5%) ASTM D 882	5,4	kg/cm
Tear Strength (Graves) ASTM D 1004	1,5	kg
Tensile Modulus ASTM D 882	35000	kg/cm <sup>2</sup>
Puncture Strength ASTM D 4830	15,0	kg
Peel Strength ASTM D 903	>985	g/cm
Poisson's Ratio ASTM D 882	0,38	
Abrasion Resistance (100 Cycles) ASTM D 1003-92, ASTM D 1044	<5	%


**Performance results notes:**

Calculated using LBNL Window 7.2 according to EN410 and EN673.

IR rejection = 1 - average unweighted transmittance