

Standard

EN410

Select product

Sentinel Plus Stainless Steel 15 OSW

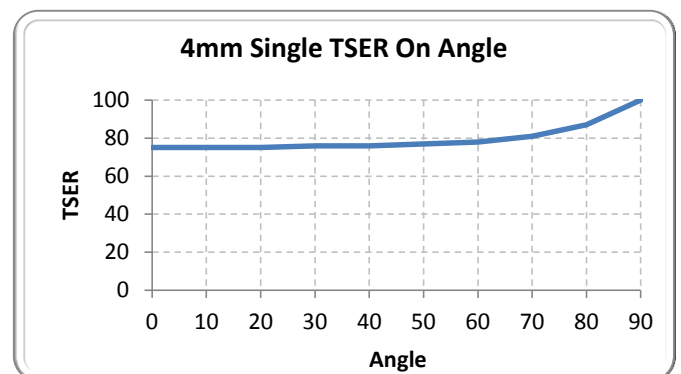
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	13	13	12	12	10	12	11	11
Reflectance exterior %	40	40	40	40	40	40	40	40
Reflectance interior %	36	35	38	37	28	32	40	32
Glare reduction %	85	85	85	85	85	85	85	85
Solar energy								
Transmittance %	13	12	11	10	6	8	10	7
Absorptance %	50	51	52	53	56	54	52	55
Reflectance %	37	37	37	37	38	38	38	38
Solar heat gain coefficient (G-value)	,25	,24	,18	,17	,09	,12	,15	,09
Light to solar heat gain ratio (VLT/SHGC)	,54	,54	,69	,69	1,11	,99	,77	1,11
Total solar energy rejected %	75	76	82	83	91	88	85	91
Total solar energy rejected % @60°	78							
Solar heat gain reduction %	72	71	77	77	78	81	79	81
Thermal energy								
Emissivity	,83	,83	,83	,83	,83	,83	,83	,83
Winter U-factor (W/m ² °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
Ultraviolet light								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	9	9	8	8	7	8	8	7
Fade Reduction %	89	89	89	89	88	88	88	88

IR rejection

780 to 2500nm	92	92
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Physical properties

Thickness (microns)	50	microns
Tensile Strength ASTM D 882	2110	kg/cm ²
Elongation ASTM D 882	>100	%
Yield Stress (5%) ASTM D 882	1100	kg/cm ²
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 ²
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