

Standard

**EN410**

Select product

**Clearview 50**

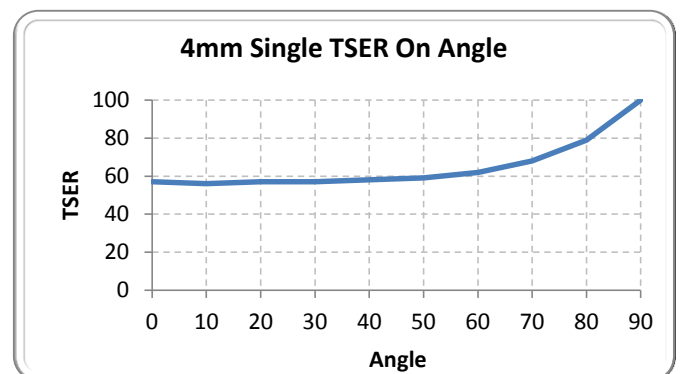
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
<b>Performance results</b>								
<b>Visible light</b>								
Transmittance %	49	49	45	45	38	43	42	39
Reflectance exterior %	26	25	30	29	21	26	33	26
Reflectance interior %	24	24	26	26	25	25	28	26
Glare reduction %	45	45	44	44	45	46	44	45
<b>Solar energy</b>								
Transmittance %	36	35	32	30	19	27	29	22
Absorptance %	33	36	37	42	48	42	40	44
Reflectance %	31	29	31	28	33	31	31	34
Solar heat gain coefficient (G-value)	,43	,43	,49	,49	,33	,51	,50	,43
Light to solar heat gain ratio (VLT/SHGC)	1,14	1,14	,92	,91	1,15	,83	,84	,91
Total solar energy rejected %	57	57	51	51	67	49	50	57
Total solar energy rejected % @60°	62							
Solar heat gain reduction %	50	49	36	34	20	17	29	15
<b>Thermal energy</b>								
Emissivity	,69	,69	,69	,69	,69	,69	,69	,69
Winter U-factor (W/m <sup>2</sup> °C)	5,3	5,3	2,7	2,7	1,1	1,1	1,8	0,6
Winter heat loss reduction %	7	7	4	4	2	2	3	2
<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 %	38	38	35	34	28	32	32	29
Fade Reduction %	55	54	53	52	50	52	52	50

**IR rejection**

780 to 2500nm	82	83
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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