

Standard

EN410

Select product

Silver Esave 50 Low-E interior

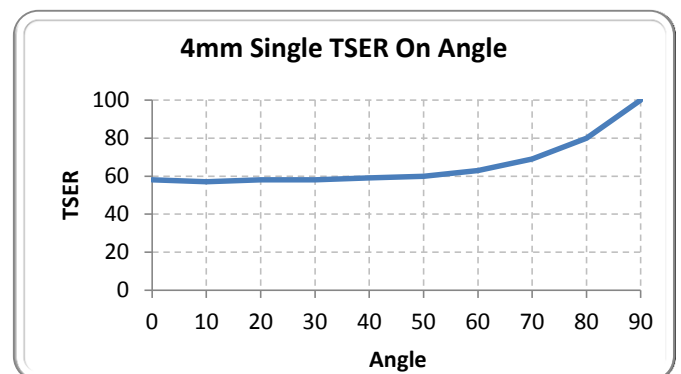
	4mm Single Clear	6mm Single Clear	4mm Double Clear	6mm Double Clear	6mm Double Low-E S#2	6mm Double Low-E S#3	4mm Triple Clear	4mm Triple LE S#2&5
Performance results								
Visible light								
Transmittance %	51	51	47	46	39	44	43	40
Reflectance exterior %	23	23	28	27	20	24	31	24
Reflectance interior %	27	27	29	29	28	28	31	29
Glare reduction %	43	43	43	43	43	44	42	43
Solar energy								
Transmittance %	36	35	32	30	20	26	28	22
Absorptance %	37	40	40	45	48	45	44	45
Reflectance %	27	25	28	25	32	29	28	33
Solar heat gain coefficient (G-value)	,42	,42	,49	,48	,33	,51	,50	,43
Light to solar heat gain ratio (VLT/SHGC)	1,20	1,20	,96	,95	1,18	,86	,87	,93
Total solar energy rejected %	58	58	51	52	67	49	50	57
Total solar energy rejected % @60°	63							
Solar heat gain reduction %	51	50	37	35	20	17	29	14
Thermal energy								
Emissivity	,37	,37	,37	,37	,37	,37	,37	,37
Winter U-factor (W/m ² °C)	4,4	4,3	2,4	2,4	1,1	1,1	1,6	0,6
Winter heat loss reduction %	24	24	14	14	7	7	10	3
Ultraviolet light								
Blocked @ 300 to 380 nm %	>99	>99	>99	>99	>99	>99	>99	>99
Fade control								
UV Tdw-ISO @ 300 to 700 nm %	39	39	35	35	29	33	32	30
Fade Reduction %	54	52	53	51	48	50	52	48

IR rejection

780 to 2500nm	83	84
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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