

FILM
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Interior Side

Benefits and selection criteria

- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings**
- Durable scratch-resistant coating for easy cleaning
- Low emissivity provides year-round energy savings
- Used where maximum heat and glare reduction are required with additional substantial winter heat loss reduction for rapid return on investment

Manufacturer's
Limited Warranty*

FILM INSERT HERE

Exterior Side

Performance Data

| | % Total Solar Transmittance | % Total Solar Reflectance | % Total Solar Absorptance | % Visible Light Transmittance | % Visible Reflectance (exterior) | % Visible Reflectance (interior) | Winter U-value | Shading Coefficient | % Ultraviolet Ray Protection (wavelengths 300-380nm) | Emissivity | Solar Heat Gain Coefficient | % Total Solar Energy Rejected | Light-to-Solar Heat Gain Ratio (LSG) | % Summer Solar Heat Gain Reduction | % Winter Heat Loss Reduction | % Glare Reduction |
|--|-----------------------------|---------------------------|---------------------------|-------------------------------|----------------------------------|----------------------------------|----------------|---------------------|--|------------|-----------------------------|-------------------------------|--------------------------------------|------------------------------------|------------------------------|-------------------|
| Clear Glass 1/4" (6mm) single pane | 77 | 7 | 16 | 88 | 8 | 8 | 1.03 | 0.94 | 38 | 0.84 | 0.82 | 19 | 1.07 | - | - | - |
| Clear Glass 1/4" (6mm) dual pane | 61 | 11 | 28 | 79 | 14 | 14 | 0.47 | 0.81 | 54 | 0.84 | 0.70 | 30 | 1.13 | - | - | - |
| E1220 SR CDF 1/4" (6mm) clear single pane | 8 | 49 | 43 | 12 | 60 | 66 | 0.78 | 0.21 | >99 | 0.38 | 0.18 | 82 | 0.67 | 78 | 24 | 86 |
| E1220 SR CDF 1/4" (6mm) clear dual pane | 7 | 39 | 54 | 11 | 57 | 66 | 0.40 | 0.32 | >99 | 0.38 | 0.28 | 72 | 0.39 | 60 | 15 | 86 |

The solar performance data reported for LLumar architectural window films was captured using the National Fenestration Rating Council's (NFRC) standard guidelines for window film solar performance measurement. All safety and performance data has been measured in accordance with ASTM, ASHRAE, AIMCAL and ANSI standards using NFRC methodology with Lawrence Berkeley National Lab's WINDOW Fenestration Analysis Software. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.