

GUARDIAN 275® LIGHT TRANSMISSION & THERMAL PERFORMANCE

| GUARDIAN 275® - 2.75" | FACE SHEET COLOR COMBINATIONS | | | |
|--|---|----------------|-----------------------------|--------------|
| | Exterior Sheet Color / Interior Sheet Color (Additional color combinations available) | | | |
| | Crystal/ Crystal | Crystal/ White | White/ Crystal | White/ White |
| LIGHT TRANSMISSION - 2.75" ¹ | | | | |
| No Insulation (%) | 64 | 40 | 31 | 24 |
| Insul 24 (%) | 33 | 25 | 21 | 18 |
| Insul 15 (%) | 23 | 19 | 17 | 15 |
| IMG 125 (%) | 7 | 5 | 5 | 4 |
| SOLAR HEAT GAIN COEFFICIENT - 2.75" ² | | | | |
| No Insulation | 0.50 | 0.36 | 0.31 | 0.23 |
| Insul 24 | 0.23 | 0.20 | 0.18 | 0.15 |
| Insul 15 | 0.21 | 0.19 | 0.17 | 0.13 |
| IMG 125 | 0.08 | 0.08 | 0.07 | 0.06 |
| U-FACTOR - 2.75" ³ | | | | |
| No Insulation | 0.48 | | | |
| Insul 24 | 0.20 | | | |
| Insul 15 | 0.17 | | | |
| IMG 125 | 0.08 | | | |
| U-FACTOR - 2.75" SYSTEM ⁴ | | | | |
| | Standard / Thermally Broken | | | |
| No Insulation* | Wall System - 0.52 / 0.51 | | Sloped System - 0.57 / 0.56 | |
| Insul 24 | Wall System - 0.28 / 0.27 | | Sloped System - 0.32 / 0.31 | |
| Insul 15 | Wall System - 0.25 / 0.24 | | Sloped System - 0.29 / 0.28 | |
| IMG 125 | Wall System - 0.17 / 0.16 | | Sloped System - 0.21 / 0.20 | |
| CRF - 2.75" ⁵ | Vertical Wall - 81 | | Sloped Glazed - 75 | |
| UV TRANSMITTANCE | <0.01 | | | |

| GUARDIAN 275® - 4" | FACE SHEET COLOR COMBINATIONS | | | |
|---|---|----------------|----------------------|--------------|
| | Exterior Sheet Color / Interior Sheet Color (Additional color combinations available) | | | |
| | Crystal/ Crystal | Crystal/ White | White/ Crystal | White/ White |
| LIGHT TRANSMISSION - 4" ¹ | | | | |
| No Insulation (%) | 64 | 40 | 31 | 24 |
| Insul 10 (%) | 19 | 17 | 14 | 12 |
| IMG 125 (%) | 4 | 3 | 3 | 3 |
| SOLAR HEAT GAIN COEFFICIENT - 4" ² | | | | |
| No Insulation | 0.50 | 0.36 | 0.31 | 0.23 |
| Insul 10 | 0.15 | 0.13 | 0.12 | 0.10 |
| IMG 125 | 0.06 | 0.06 | 0.05 | 0.05 |
| CENTER OF PANEL U-FACTOR - 4" ³ | | | | |
| No Insulation | | | | 0.48 |
| Insul 10 | | | | 0.11 |
| IMG 125 | | | | 0.06 |
| SYSTEM U-FACTOR - 4" ⁴ | | | | |
| All Thermally Broken | | | | |
| No Insulation* | Wall System - 0.50 | | Sloped System - 0.55 | |
| Insul 10 | Wall System - 0.18 | | Sloped System - 0.20 | |
| IMG 125 | Wall System - 0.13 | | Sloped System - 0.16 | |
| CRF - 4" ⁵ | Vertical Wall - 88 | | Sloped Glazed - 82 | |
| UV TRANSMITTANCE | | <0.01 | | |

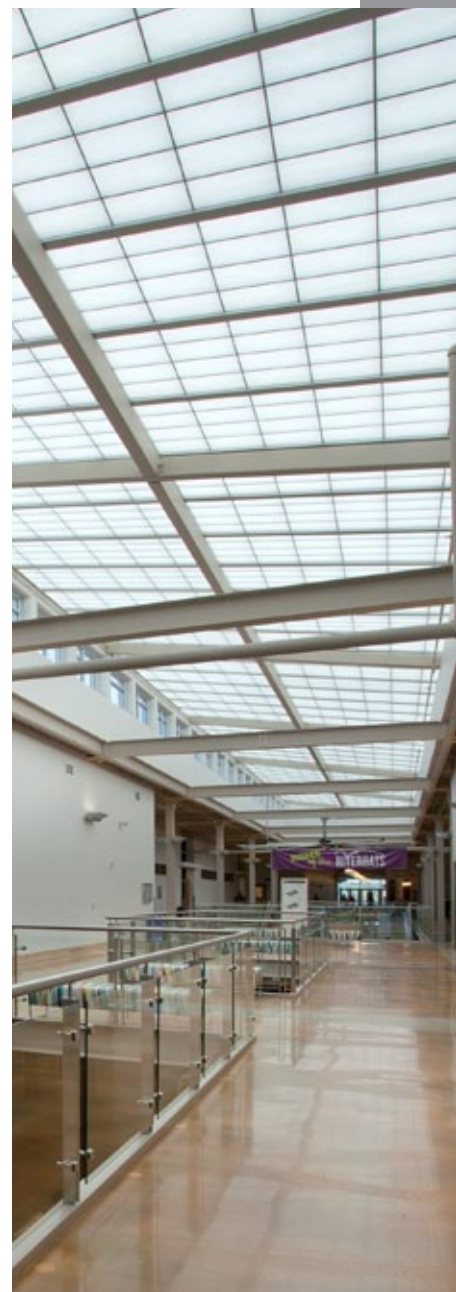
¹ Light Transmission values are based on an incident angle normal to the plane of a representative panel, and are determined using the ASTM E-972 standard.

² SHGC values are for comparative analysis and are determined using NFRC 201-2010 methods and standards. SHGC is 87% of the Shading Coefficient at a given solar incidence and has replaced the Shading Coefficient as a more accurate method of stating glazing performance in a building envelope. (SC = 1.15 x SHGC).

³ Center of panel U-factor values determined by NFRC test methods. For glazing comparisons only.

⁴ NFRC Certified System U-factor values are for comparative analysis and are determined using NFRC 100-2010 methods and standards, which require simulation and validation testing of both standard and thermally improved assembled skylight / wall systems measuring 2000mm x 2000mm (78-3/4" x 78-3/4") consisting of 2 translucent panels, 3 vertical rafters / mullions and perimeter head and sill. *Please note that system U-factor data for 2.75" skylights with no insulation and 4" wall / skylight systems with no insulation is not NFRC certified and is determined by test data calculation (+/- 10%). Certified test results for Major's systems can be found at www.nfrc.org.

⁵ Condensation Resistance Factor (CRF) values are based on testing performed on thermally broken glazing panels.



Major Industries strives to create the most advanced products in the daylighting industry. As a result, products, materials and test results presented in this brochure are subject to change without notice. For the most up-to-date information, please visit our website at www.majorskylights.com. For a statement of warranty for a particular product, please contact us at 888-759-2678 or by fax at 715-848-3336.

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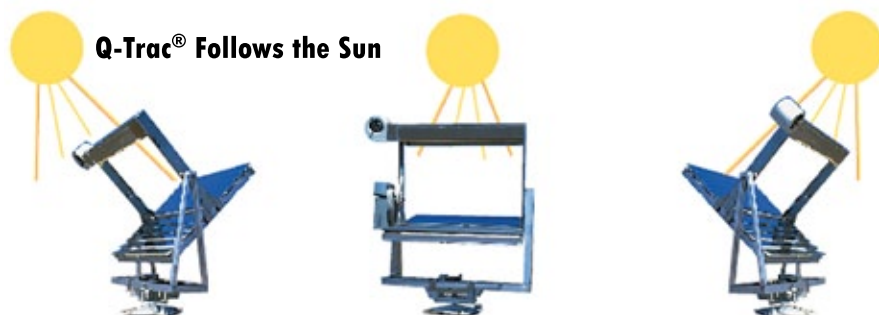
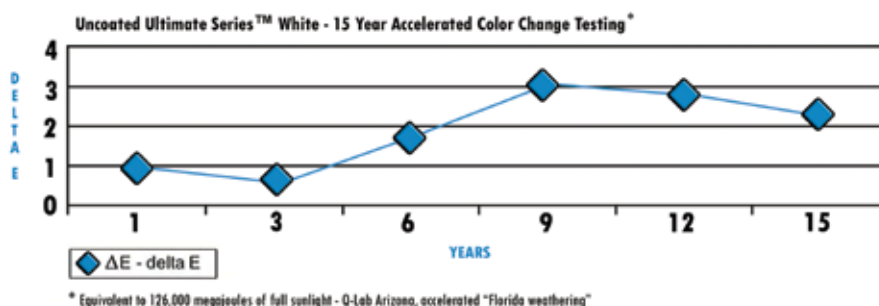
GUARDIAN 275[®] PERFORMANCE DATA

Ultimate Series[™] Face Sheet Technology Offers Unmatched Performance

Ultimate Series[™] exterior face sheets have been put through rigorous testing and offer the best weathering performance ever seen in the translucent daylighting industry – all backed by a 25 year fiberbloom warranty and available 20 year color change warranty.

This breakthrough SunStrong[™] PRS resin system and polymer coating combination is the best long-term solution for achieving high quality, energy-efficient diffused natural daylighting.

Don't take our word for it... the numbers speak for themselves!



Certified Testing - Accelerated Exposures

Face sheet color stability is tested using Q-Lab and their Q-Trac[®] system. The Q-Trac[®] is an accelerated outdoor weathering tester that uses a series of 10 mirrors to reflect and concentrate full spectrum sunlight and automatically tracks the Arizona sun throughout the day. This solar concentrating system maximizes the amount of sunlight exposure that a material receives - equating to an average of 5 times more UV than typical outdoor Florida testing. The Q-Trac[®] also has a water spray system that simulates "Florida weathering" and thermal shock.

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Our beauty is more than "skin deep"... certified third-party deflection testing confirms that Major Industries provides the strongest standard framing system at no extra charge. Don't settle for less!



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