

PERFORMANCE DATA

TwinSeal™ Double Glazing

Walshs TwinSeal Double Glazing Units (DGUs) can be partnered with a broad range of glass types to enable you to choose a balance that best suits your performance requirements.

Walshs TwinSeal DGUs can provide significant benefits to a building including improved acoustic performance, safety, comfort, and a noticeable reduction in energy costs. With the increase in building regulations, the focus on energy efficiency and our carbon footprint means DGUs have become more important than ever before – making Walshs TwinSeal the ideal choice for your next project.



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| PRODUCT NAME | NOMINAL THICKNESS | VISIBLE | | SOLAR | | UV TRANS | U VALUE | | SHGC | SHADING CO. | RW |
|-------------------------------|-------------------|---------|-------|-------|-------|----------|---------|-------|------|-------------|----|
| | | Trans | Refl. | Trans | Refl. | | Air | Argon | | | |
| Float | | | | | | | | | | | |
| Walshs Clear | 4+12+4 | 80 | 15 | 69 | 13 | 51 | 2.7 | 2.6 | 0.75 | 0.86 | 31 |
| | 5+12+5 | 79 | 15 | 63 | 12 | 47 | 2.7 | 2.5 | 0.72 | 0.83 | 31 |
| | 6+12+6 | 78 | 15 | 62 | 12 | 44 | 2.7 | 2.5 | 0.71 | 0.82 | 33 |
| | 8+12+6 | 77 | 14 | 57 | 11 | 42 | 2.7 | 2.5 | 0.66 | 0.76 | 35 |
| | 10+12+6 | 76 | 14 | 54 | 10 | 39 | 2.7 | 2.5 | 0.64 | 0.73 | 38 |
| | 12+12+6 | 75 | 14 | 51 | 10 | 37 | 2.6 | 2.5 | 0.61 | 0.71 | 38 |
| Walshs Grey | 4+12+4 | 50 | 8 | 46 | 8 | 24 | 2.7 | 2.6 | 0.55 | 0.64 | 31 |
| | 5+12+5 | 42 | 7 | 38 | 7 | 19 | 2.7 | 2.5 | 0.49 | 0.57 | 31 |
| | 6+12+6 | 37 | 7 | 33 | 7 | 15 | 2.7 | 2.5 | 0.45 | 0.52 | 33 |
| | 10+12+6 | 24 | 5 | 24 | 5 | 9 | 2.7 | 2.5 | 0.38 | 0.44 | 38 |
| | 12+12+6 | 19 | 5 | 20 | 5 | 7 | 2.6 | 2.5 | 0.34 | 0.40 | 38 |
| Walshs Green | 6+12+6 | 68 | 12 | 39 | 8 | 21 | 2.7 | 2.5 | 0.50 | 0.57 | 33 |
| | 10+12+6 | 56 | 9 | 24 | 6 | 9 | 2.6 | 2.5 | 0.37 | 0.43 | 38 |
| Walshs Bronze | 6+12+6 | 43 | 8 | 38 | 7 | 15 | 2.7 | 2.5 | 0.50 | 0.57 | 33 |
| | 10+12+6 | 30 | 6 | 28 | 6 | 7 | 2.6 | 2.5 | 0.41 | 0.48 | 38 |
| Laminate | | | | | | | | | | | |
| Walshs Clear | 6.38+12+6 | 78 | 15 | 58 | 12 | <1 | 2.7 | 2.5 | 0.67 | 0.77 | 34 |
| Walshs Grey | 6.38+12+6 | 37 | 7 | 37 | 7 | <1 | 2.7 | 2.5 | 0.49 | 0.56 | 34 |
| Walshs Bronze | 6.38+12+6 | 46 | 8 | 40 | 8 | <1 | 2.7 | 2.5 | 0.52 | 0.60 | 34 |
| Walshs Green | 6.38+12+6 | 63 | 11 | 50 | 9 | <1 | 2.7 | 2.5 | 0.60 | 0.70 | 34 |
| Walshs Translucent | 6.38+12+6 | 58 | 10 | 44 | 8 | <1 | 2.7 | 2.5 | 0.55 | 0.64 | 34 |
| High Performance Tones | | | | | | | | | | | |
| VFloat SuperGrey | 6+12+6 | 8 | 4 | 6 | 4 | 1 | 2.7 | 2.5 | 0.21 | 0.25 | 33 |

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Technical Information

The data is measured using glass only and all care should be taken when evaluating our published data that the same environmental conditions have been used. For the most up-to-date information, please visit our website.

All performance data is calculated using LBL Windows 5.2 software. NFRC 100-2001 conditions have been used. Product Name – Where # appears, i.e. (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building.

The first number is our glass thickness, +12 is the width of the gap, then the thickness of the inner panel of the unit.

Understanding These Charts

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|---|--|
| Product Name | For more information on individual products ask your Walshs Glass Sales Consultant. |
| Nominal Thickness | Identifies the glass thickness. |
| Visible Light Transmission | The percentage of visible light that passes directly through the glass. The higher the percent-age, the more daylight gets through. |
| Visible Light Reflection | The percentage of visible light reflected toward the exterior. |
| Solar Transmission | The percentage of normal incident visible light and solar energy that passes directly through the glazing. |
| Solar Reflection | The percentage of normal incident visible light and solar energy reflected toward the exterior. |
| UV Transmission | The percentage of UV light transmitted measured in the light range of wave lengths shorter than 380 nanometres. A lower number is better. |
| U Value | The measure of the rate of heat gain or loss through glazing caused by environmental differ-ences between indoor and outdoor air. The lower the value the better the insulation. |
| Shading Coefficient | The ratio of solar heat gain through glass relative to that through 3mm clear glass. A lower number indicates a better performance. |
| SHGC (Solar Heat Gain Coefficient) | The proportion of total solar radiation that is transferred through glass in normal circumstances. A lower number indicates a better performance. |