

SOL-XT™ HIGH PERFORMANCE LOW-E COATED GLASS

SOL-XT™ is a high performance energy efficient laminated glass combining a unique solar control interlayer with a low-E coated glass. The interlayer itself utilises a solar absorbing technology designed to enhance solar heat gain performance whilst maintaining high visible light transmission as compared to ordinary clear and laminated glass made with standard interlayers. The Light and Neutral colour tone series in an insulated glass unit (IGU) provide high levels of visible light transmission (VLT) between 66–58% and mid to high range SHGC performance, 0.44-0.34 respectively. Where the building design requires more solar control and glass colour tone, the Grey or Dark Blue range is recommended.

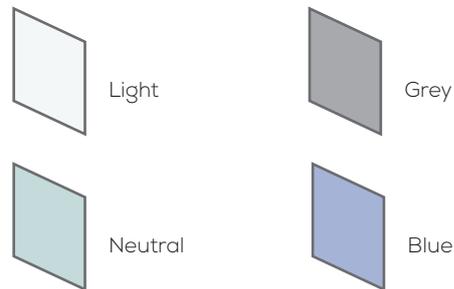
SOL-XT™ laminated glass is always produced with a low-E coated glass such as SOL-R™. This low-E coated product is a high transparent glass with a unique, durable and virtually invisible coating providing improved solar control and thermal insulation over ordinary clear glass. The combination of interlayer and low-E coated glass in a laminated form is what makes SOL-XT™ a stand out performer for energy efficient glazing.

FEATURES AND APPLICATIONS

- > High performance energy efficient laminated glass providing exceptional solar and thermal control with less sacrifice of natural daylight inflows;
- > Depending on climatic region and energy requirements, SOL-XT™ offers a broad range of solar and thermal control;
- > Helps reduce summer heat gain and winter heat loss through improvements in SHGC and U-values when compared to ordinary non coated glass;
- > Reduces heating and cooling energy costs;
- > Reduces ultra-violet substantially;

- > Improves occupant comfort, reduces condensation build up (with IGU's);
- > Low-E coating consists of a microscopically thin, virtually invisible, durable metal or metal oxide layer deposited on the glass during manufacture. Coating is visually low reflecting in appearance;
- > Utilising 'hard coat' online manufacturing technology producing a highly durable coating suitable for single glazed applications.

COLOUR OPTIONS



SOL-XT™ Single Low-E Coated Glass



| SOL-XT™ ENERGY PERFORMANCE DATA | | | | | |
|---------------------------------|------|------|-------|------|---------|
| Single Glass | VLT% | VLR% | VLRi% | SHGC | U-Value |
| 8.76MM SOL-XT LIGHT 52 | 74 | 10 | 11 | 0.52 | 3.7 |
| 9.52MM SOL-XT LIGHT 52 | 74 | 10 | 11 | 0.52 | 3.6 |
| 10.76MM SOL-XT LIGHT 51 | 73 | 9 | 11 | 0.51 | 3.6 |
| 11.52MM SOL-XT LIGHT 51 | 72 | 9 | 11 | 0.51 | 3.6 |
| 12.76MM SOL-XT LIGHT 50 | 72 | 9 | 11 | 0.50 | 3.6 |
| 13.52MM SOL-XT LIGHT 50 | 71 | 9 | 11 | 0.50 | 3.5 |
| 9.52MM SOL-XT NEUTRAL 44 | 67 | 9 | 11 | 0.44 | 3.6 |
| 11.52MM SOL-XT NEUTRAL 43 | 66 | 8 | 10 | 0.43 | 3.5 |
| 13.52MM SOL-XT NEUTRAL 43 | 65 | 8 | 10 | 0.43 | 3.5 |
| 9.52MM SOL-XT GREY 37 | 42 | 6 | 9 | 0.37 | 3.6 |
| 11.52MM SOL-XT GREY 36 | 41 | 6 | 9 | 0.36 | 3.5 |
| 13.52MM SOL-XT GREY 33 | 33 | 5 | 9 | 0.33 | 3.5 |
| 11.52MM SOL-XT DARK BLUE 35 | 44 | 6 | 10 | 0.35 | 3.6 |
| 13.52MM SOL-XT DARK BLUE 35 | 43 | 6 | 9 | 0.35 | 3.6 |

Data listed based on NFRC 100-2010 with Low-E coating surface #4.

VLT% - refers to % visible light transmittance. Simply a measure of the amount of natural daylight the glass allows through.

VLR% - refers to visible reflectivity of the glass viewed from the outside. VLRi% - refers to visible reflectivity when viewed from inside.

SHGC - refers to Solar Heat Gain Co-efficient and is a common measure used in regards the cooling of the building. The lower the number, the more efficient the glass in reducing the sun's direct energy impact through the glass.

U-Value - a measure of the thermal insulation of the glass and expressed as watts per square metre. The lower the number the better the performance of the glazing.

| SOL-XT™ ENERGY PERFORMANCE DATA | | | | | |
|--|------|------|-------|------|---------|
| DUO PLUS™ Insulated Glass Units | VLT% | VLR% | VLRi% | SHGC | U-Value |
| 9.52MM SOL-XT LIGHT 52 / 12 / 6MM CLEAR | 66 | 14 | 16 | 0.43 | 1.7 |
| 11.52MM SOL-XT LIGHT 51 / 12 / 6MM CLEAR | 64 | 13 | 16 | 0.42 | 1.6 |
| 13.52MM SOL-XT LIGHT 50 / 12 / 6MM CLEAR | 63 | 13 | 16 | 0.41 | 1.6 |
| 9.52MM SOL-XT NEUTRAL 44 / 12 / 6MM CLEAR | 59 | 12 | 16 | 0.35 | 1.7 |
| 11.52MM SOL-XT NEUTRAL 43 / 12 / 6MM CLEAR | 58 | 11 | 15 | 0.34 | 1.6 |
| 13.52MM SOL-XT NEUTRAL 43 / 12 / 6MM CLEAR | 58 | 11 | 15 | 0.34 | 1.6 |
| 9.52MM SOL-XT GREY 37 / 12 / 6MM CLEAR | 37 | 7 | 15 | 0.27 | 1.7 |
| 11.52MM SOL-XT GREY 36 / 12 / 6MM CLEAR | 37 | 7 | 15 | 0.26 | 1.6 |
| 13.52MM SOL-XT GREY 33 / 12 / 6MM CLEAR | 29 | 6 | 14 | 0.23 | 1.6 |
| 11.52MM SOL-XT DARK BLUE 35 / 12 / 6MM CLEAR | 39 | 8 | 15 | 0.26 | 1.7 |
| 13.52MM SOL-XT DARK BLUE 35 / 12 / 6MM CLEAR | 38 | 6 | 15 | 0.25 | 1.6 |

Data listed based on NFRC 100-2010 - DUO PLUS™ IGU glass data with Low-E coating to surface #2 facing inside of the unit with 12mm Argon Gas filled space.

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