

ComfortPlus™

ComfortPlus™ consists of a range of clear and toned laminated glass options featuring a transparent, durable pyrolytic Low E coating. ComfortPlus™ products offer improved thermal and sound insulation in a single laminate with a selection of colours, daylight transmission and solar control. The range also offers relatively low internal and external reflectivity, typically desirable in residential and commercial buildings when transparency is valued. ComfortPlus™ is a Grade A Safety laminated glass.

Features



Energy Efficiency

ComfortPlus™ can keep the temperature of your room controlled, lowering your energy consumption and reducing the need for additional heating and cooling.



Laminated

The ComfortPlus™ range has a laminated layer that contributes towards making the range a Grade A safety glass as standard.



Safety & Security

Our Products have been tested to Grade A safety glass protection.



Low E Coating

Coating is applied that allows natural light through without emitting radiant heat, maximising light and energy efficiency.



Climate

ComfortPlus™ is designed with a consideration for mixed and warmer climates or where mid range solar control and insulation are desired.



Range of Tones

Colour options are available within the ComfortPlus™ range.



UV Protection

ComfortPlus™ reduces the rate of UV light entering the space by 99%.



Noise Control

The ComfortPlus™ laminate reduces voice noise by 13% and traffic noise by 24% when compared to standard 3mm glass.

Product Range

Clear 82

| | |
|--------------------------|--|
| Available Thickness (mm) | 6.38, 8.38, 10.38, 12.38 |
| Maximum Sheet Size (mm) | 3660×2760 (6.38mm), 5100×3210 (8.38-12.38mm) |

Neutral 59

| | |
|--------------------------|--------------------------|
| Available Thickness (mm) | 6.38, 8.38, 10.38, 12.38 |
| Maximum Sheet Size (mm) | 5100×3210 |

Light Grey 54

| | |
|--------------------------|-------------|
| Available Thickness (mm) | 6.38, 10.38 |
| Maximum Sheet Size (mm) | 3660×2440 |

Translucent

| | |
|--------------------------|-------------|
| Available Thickness (mm) | 6.38, 10.38 |
| Maximum Sheet Size (mm) | 3660×2440 |

Grey 40

| | |
|--------------------------|--|
| Available Thickness (mm) | 6.38, 8.38, 10.38, 12.38 |
| Maximum Sheet Size (mm) | 3660×2440 (6.38 & 8.38mm), 5100×3210 (10.38 & 12.38mm) |

Green 65

| | |
|--------------------------|-------------|
| Available Thickness (mm) | 6.38, 10.38 |
| Maximum Sheet Size (mm) | 3660×2440 |

Bronze 49

| | |
|--------------------------|---|
| Available Thickness (mm) | 6.38, 10.38 |
| Maximum Sheet Size (mm) | 3660×2440 (6.38mm), 3600×2440 (10.38mm) |

Applications

External

Doors, Windows, Shop Front, Roof Glazing

Technical Data

Performance

Single Glazing

| Product Name | Nominal Thickness | Visible | | | Solar | | UV Trans. | U-Value | SHGC | Shading Co. | Weight m ² |
|---------------------------------|-------------------|---------|-----------|----------|--------|-------|-----------|---------|------|-------------|-----------------------|
| | | Trans. | Refl. Out | Refl. In | Trans. | Refl. | | | | | |
| ComfortPlus™ Clear 82 (#4) | 6.38 | 82 | 10 | 11 | 64 | 9 | <1 | 3.6 | 0.69 | 0.79 | 15.4 |
| ComfortPlus™ Clear 82 (#4) | 8.38 | 82 | 11 | 11 | 63 | 10 | <1 | 3.6 | 0.68 | 0.78 | 20.4 |
| ComfortPlus™ Clear 82 (#4) | 10.38 | 80 | 10 | 11 | 58 | 8 | <1 | 3.6 | 0.64 | 0.74 | 25.4 |
| ComfortPlus™ Clear 82 (#4) | 12.38 | 79 | 10 | 11 | 55 | 8 | <1 | 3.5 | 0.62 | 0.72 | 30.4 |
| ComfortPlus™ Neutral 59 (#4) | 6.38 | 59 | 7 | 9 | 42 | 7 | <1 | 3.6 | 0.52 | 0.6 | 15.4 |
| ComfortPlus™ Neutral 59 (#4) | 8.38 | 60 | 8 | 10 | 40 | 7 | <1 | 3.6 | 0.51 | 0.58 | 20.4 |
| ComfortPlus™ Neutral 59 (#4) | 10.38 | 59 | 8 | 10 | 39 | 7 | <1 | 3.6 | 0.5 | 0.57 | 25.4 |
| ComfortPlus™ Neutral 59 (#4) | 12.38 | 61 | 8 | 10 | 38 | 7 | <1 | 3.5 | 0.49 | 0.57 | 30.4 |
| ComfortPlus™ Light Grey 54 (#4) | 6.38 | 57 | 8 | 10 | 49 | 8 | <1 | 3.6 | 0.57 | 0.66 | 15.4 |
| ComfortPlus™ Light Grey 54 (#4) | 10.38 | 56 | 7 | 9 | 45 | 7 | <1 | 3.6 | 0.54 | 0.62 | 25.4 |
| ComfortPlus™ Translucent (#4) | 6.38 | 62 | 8 | 10 | 49 | 7 | <1 | 3.6 | 0.57 | 0.65 | 15.4 |
| ComfortPlus™ Translucent (#4) | 10.38 | 61 | 8 | 10 | 45 | 7 | <1 | 3.6 | 0.54 | 0.62 | 25.4 |
| ComfortPlus™ Grey 40 (#4) | 6.38 | 39 | 6 | 9 | 40 | 7 | <1 | 3.6 | 0.5 | 0.58 | 15.4 |
| ComfortPlus™ Grey 40 (#4) | 8.38 | 41 | 6 | 9 | 39 | 6 | <1 | 3.6 | 0.49 | 0.57 | 20.4 |
| ComfortPlus™ Grey 40 (#4) | 10.38 | 40 | 6 | 9 | 37 | 6 | <1 | 3.6 | 0.48 | 0.55 | 25.4 |
| ComfortPlus™ Grey 40 (#4) | 12.38 | 40 | 6 | 9 | 35 | 6 | <1 | 3.5 | 0.47 | 0.53 | 30.4 |
| ComfortPlus™ Green 65 (#4) | 6.38 | 65 | 8 | 10 | 53 | 8 | <1 | 3.6 | 0.6 | 0.69 | 15.4 |
| ComfortPlus™ Green 65 (#4) | 10.38 | 64 | 8 | 10 | 48 | 7 | <1 | 3.6 | 0.57 | 0.65 | 25.4 |
| ComfortPlus™ Bronze 49 (#4) | 6.38 | 48 | 7 | 9 | 42 | 7 | <1 | 3.6 | 0.52 | 0.6 | 15.4 |
| ComfortPlus™ Bronze 49 (#4) | 10.38 | 47 | 6 | 9 | 39 | 6 | <1 | 3.6 | 0.5 | 0.57 | 25.4 |

Double Glazing

| Product Name | Nominal Thickness | Visible | | | Solar | | UV Trans. | U-Value | | SHGC | Shading Co. | Weight m² |
|---|-------------------|---------|-----------|----------|--------|-------|-----------|---------|-------|------|-------------|-----------|
| | | Trans. | Refl. Out | Refl. In | Trans. | Refl. | | Air | Argon | | | |
| ComfortPlus™ Clear 82 (#4) + QFloat™ Clear | 6.38+12+6 | 73 | 16 | 17 | 51 | 12 | <1 | 1.9 | 1.6 | 0.6 | 0.69 | 30.4 |
| ComfortPlus™ Clear 82 (#4) + QFloat™ Clear | 8.38+12+6 | 73 | 16 | 17 | 50 | 12 | <1 | 1.9 | 1.6 | 0.6 | 0.68 | 35.4 |
| ComfortPlus™ Clear 82 (#4) + QFloat™ Clear | 10.38+12+6 | 71 | 16 | 17 | 47 | 11 | <1 | 1.8 | 1.6 | 0.56 | 0.64 | 40.4 |
| ComfortPlus™ Neutral 59 (#4) + QFloat™ Clear | 6.38+12+6 | 52 | 10 | 15 | 34 | 8 | <1 | 1.9 | 1.7 | 0.43 | 0.5 | 30.4 |
| ComfortPlus™ Neutral 59 (#4) + QFloat™ Clear | 8.38+12+6 | 53 | 11 | 16 | 33 | 8 | <1 | 1.9 | 1.6 | 0.42 | 0.48 | 35.4 |
| ComfortPlus™ Neutral 59 (#4) + QFloat™ Clear | 10.38+12+6 | 53 | 11 | 16 | 32 | 8 | <1 | 1.9 | 1.6 | 0.41 | 0.47 | 40.4 |
| ComfortPlus™ Light Grey 54 (#4) + QFloat™ Clear | 6.38+12+6 | 51 | 10 | 16 | 39 | 10 | <1 | 1.9 | 1.6 | 0.48 | 0.56 | 30.4 |
| ComfortPlus™ Light Grey 54 (#4) + QFloat™ Clear | 10.38+12+6 | 50 | 10 | 16 | 36 | 9 | <1 | 1.9 | 1.6 | 0.45 | 0.52 | 40.4 |
| ComfortPlus™ Grey 40 (#4) + QFloat™ Clear | 6.38+12+6 | 35 | 7 | 15 | 31 | 8 | <1 | 1.9 | 1.6 | 0.41 | 0.47 | 30.4 |
| ComfortPlus™ Grey 40 (#4) + QFloat™ Clear | 8.38+12+6 | 36 | 7 | 15 | 30 | 8 | <1 | 1.9 | 1.6 | 0.4 | 0.46 | 35.4 |
| ComfortPlus™ Grey 40 (#4) + QFloat™ Clear | 10.38+12+6 | 36 | 7 | 15 | 29 | 7 | <1 | 1.9 | 1.6 | 0.39 | 0.45 | 40.4 |
| ComfortPlus™ Green 65 (#4) + QFloat™ Clear | 6.38+12+6 | 58 | 12 | 16 | 42 | 10 | <1 | 1.9 | 1.6 | 0.51 | 0.59 | 30.4 |
| ComfortPlus™ Green 65 (#4) + QFloat™ Clear | 10.38+12+6 | 57 | 12 | 16 | 39 | 9 | <1 | 1.9 | 1.6 | 0.48 | 0.55 | 40.4 |
| ComfortPlus™ Bronze 49 (#4) + QFloat™ Clear | 6.38+12+6 | 43 | 9 | 15 | 33 | 8 | <1 | 1.9 | 1.6 | 0.43 | 0.5 | 30.4 |
| ComfortPlus™ Bronze 49 (#4) + QFloat™ Clear | 10.38+12+6 | 42 | 8 | 15 | 31 | 8 | <1 | 1.9 | 1.6 | 0.41 | 0.47 | 40.4 |
| ComfortPlus™ Translucent (#4) + QFloat™ Clear | 6.38+12+6 | 55 | 11 | 16 | 39 | 9 | <1 | 1.9 | 1.6 | 0.48 | 0.55 | 30.4 |
| ComfortPlus™ Translucent (#4) + QFloat™ Clear | 10.38+12+6 | 54 | 11 | 16 | 36 | 9 | <1 | 1.9 | 1.6 | 0.45 | 0.52 | 40.4 |

Considerations

Application

ComfortPlus, when single glazed with the exposed coating to the inside of the building (surface #4).

Glass

Under certain light conditions, a haze effect can be seen in the glass.

Thermal Stress and Fracture Risk

Recommended for thermal stress fracture risk assessment

Glass Processing

Further processing is required for frameless glazing.

Large Projects

Oceania Glass recommends that for large glazing facades (particularly curtain wall) the customer should highlight this in writing to enable consideration of colour management of supplied product.

Appearance

ComfortPlus™ Green 71 has been discontinued. The new ComfortPlus™ Green 65 is not a substitute for the previous ComfortPlus™ Green 71 and the two should not be mixed in a project due to product performance and aesthetic differences.

How to Specify

Available colours and thicknesses:

| | |
|----------------------|-----------------------------|
| Clear 82 | 6.38, 8.38, 10.38 & 12.38mm |
| Neutral 59 | 6.38, 8.38, 10.38 & 12.38mm |
| Light Grey 54 | 6.38 & 10.38mm |
| Translucent | 6.38 & 10.38mm |
| Grey 40 | 6.38, 8.38, 10.38 & 12.38mm |
| Green 65 | 6.38 & 10.38mm |
| Bronze 49 | 6.38 & 10.38mm |

Select from: Laminated or Heat Strengthened laminated

*If unsure, select in compliance with AS1288–2021 or manufacturers recommendation. *

- The glass shall comply with the following performance criteria:
- U value
- Solar Heat Gain Coefficient (SHGC)
- Visible Light Transmission %
- Glass Only Values
- Total window

Heat Strengthening

All glass which requires extra strength and thermal resistance will be heat strengthened. Heat strengthening increases the strength of annealed glass; however, it is not a substitute for toughened glass.

In the event of fracturing heat strengthened glass will crack and tends to remain in glazed position.

Toned Glass

Toned glass absorbs a proportion of solar radiation and may require a thermal assessment depending on application

All glass is to be selected and installed in accordance but not exclusively with the following Australian and/or New Zealand Standards

- AS 1288 Glass in Buildings Selection and Installation
- AS 1170 Minimum Wind Loads on Structures
- AS/NZ 2208 Safety Glazing Materials in Buildings
- AS/NZ 4666 Insulating Glass Units
- AS/NZ 4667 Quality Requirements for cut-to-size and Processed Glass

Oceania Glass makes and distributes glass. Oceania Glass does not process glass nor produce Insulated Glass Units. Processing of glass and production of Insulated Glass Units is undertaken by independent processors. Speak with your nominated glass processors to understand their processing capability.