

**Single Glazed Glass** is one layer of glass or can be known as single pane of glass. Single glazed glass is also available in improved forms, e.g. toughened glass etc.

| Type                   | Product Name            | Nominal Thickness (mm) | Visible Light |             | Solar |         | UV Trans | U Value | Shading Co. | SHGC |      |
|------------------------|-------------------------|------------------------|---------------|-------------|-------|---------|----------|---------|-------------|------|------|
|                        |                         |                        | Trans         | Reflect Out | Trans | Reflect |          |         |             |      |      |
| Annealed Glass         |                         | 4                      | 89%           | 8%          | 82%   | 8%      | 67%      | 5.9     | 0.98        | 0.83 |      |
|                        |                         | 5                      | 88%           | 8%          | 79%   | 7%      | 63%      | 5.9     | 0.95        | 0.83 |      |
|                        |                         | 6                      | 88%           | 8%          | 78%   | 7%      | 60%      | 5.8     | 0.95        | 0.82 |      |
|                        |                         | 8                      | 86%           | 8%          | 71%   | 7%      | 56%      | 5.7     | 0.59        | 0.77 |      |
|                        |                         | 10                     | 85%           | 8%          | 67%   | 7%      | 52%      | 5.7     | 0.86        | 0.75 |      |
|                        |                         | 12                     | 84%           | 8%          | 64%   | 7%      | 48%      | 5.7     | 0.84        | 0.72 |      |
|                        | Grey                    | 15                     | 83%           | 8%          | 59%   | 6%      | 45%      | 5.5     | 0.81        | 0.70 |      |
|                        |                         | 4                      | 56%           | 6%          | 55%   | 6%      | 30%      | 5.9     | 0.77        | 0.66 |      |
|                        |                         | 5                      | 47%           | 6%          | 47%   | 5%      | 23%      | 5.8     | 0.71        | 0.61 |      |
|                        |                         | 6                      | 42%           | 5%          | 42%   | 5%      | 19%      | 5.8     | 0.67        | 0.58 |      |
|                        |                         | 10                     | 28%           | 5%          | 26%   | 5%      | 11%      | 5.7     | 0.55        | 0.47 |      |
|                        |                         | 12                     | 21%           | 4%          | 25%   | 5%      | 9%       | 5.6     | 0.55        | 0.42 |      |
|                        | Green                   | 4                      | 82%           | 8%          | 58%   | 6%      | 36%      | 5.9     | 0.79        | 0.68 |      |
|                        |                         | 5                      | 79%           | 7%          | 51%   | 6%      | 32%      | 5.9     | 0.74        | 0.63 |      |
|                        |                         | 6                      | 77%           | 7%          | 47%   | 5%      | 27%      | 5.9     | 0.71        | 0.61 |      |
|                        | Bronze                  | 4                      | 61%           | 7%          | 60%   | 6%      | 28%      | 5.9     | 0.81        | 0.70 |      |
|                        |                         | 5                      | 54%           | 6%          | 52%   | 6%      | 22%      | 5.9     | 0.74        | 0.64 |      |
|                        |                         | 6                      | 49%           | 5%          | 48%   | 5%      | 19%      | 5.8     | 0.72        | 0.62 |      |
| Low Iron               | Starphire               | 6                      | 91%           | 8%          | 89%   | 8%      | 87%      | 5.8     | 1.03        | 0.90 |      |
|                        | UltraClear              | 6                      | 91%           | 8%          | 89%   | 8%      | 70%      | 5.7     | 1.03        | 0.90 |      |
|                        |                         | 10                     | 91%           | 8%          | 88%   | 8%      | 66%      | 5.6     | 1.02        | 0.89 |      |
| High Performance Tints | SuperGreen              | 4                      | 73%           | 7%          | 42%   | 5%      | 22%      | 5.9     | 0.67        | 0.58 |      |
|                        |                         | 5                      | 70%           | 7%          | 38%   | 5%      | 18%      | 5.9     | 0.64        | 0.55 |      |
|                        |                         | 6                      | 67%           | 6%          | 34%   | 5%      | 13%      | 5.8     | 0.61        | 0.52 |      |
|                        | SuperGrey               | 6                      | 9%            | 4%          | 8%    | 4%      | 2%       | 5.8     | 0.41        | 0.35 |      |
|                        | SuperBlue               | 6                      | 53%           | 6%          | 33%   | 5%      | 20%      | 5.8     | 0.60        | 0.52 |      |
| Low-E                  | Energy Advantage#2      | 4                      | 83%           | 11%         | 71%   | 12%     | 57%      | 3.7     | 0.85        | 0.74 |      |
|                        |                         | 6                      | 83%           | 11%         | 67%   | 11%     | 52%      | 3.6     | 0.82        | 0.71 |      |
|                        | EnergyTech#2            | 4                      | 82%           | 10%         | 68%   | 10%     | 55%      | 3.7     | 0.82        | 0.71 |      |
|                        |                         | 5                      | 82%           | 12%         | 67%   | 11%     | 52%      | 3.7     | 0.81        | 0.70 |      |
|                        |                         | 6                      | 82%           | 10%         | 66%   | 10%     | 49%      | 3.7     | 0.81        | 0.70 |      |
|                        |                         | 10                     | 80%           | 10%         | 59%   | 9%      | 42%      | 3.6     | 0.75        | 0.65 |      |
|                        | EnergyTech Green#2      | 4                      | 75%           | 10%         | 49%   | 8%      | 30%      | 3.7     | 0.65        | 0.57 |      |
|                        |                         | 6                      | 71%           | 9%          | 39%   | 7%      | 23%      | 3.7     | 0.57        | 0.50 |      |
|                        | EnergyTech SuperGreen#2 | 4                      | 67%           | 9%          | 37%   | 7%      | 18%      | 3.7     | 0.54        | 0.47 |      |
|                        |                         | 6                      | 61%           | 8%          | 28%   | 6%      | 12%      | 3.7     | 0.47        | 0.41 |      |
|                        | EnergyTech Grey#2       | 4                      | 50%           | 7%          | 45%   | 7%      | 22%      | 3.7     | 0.62        | 0.54 |      |
|                        |                         | 6                      | 40%           | 6%          | 37%   | 7%      | 16%      | 3.7     | 0.55        | 0.47 |      |
|                        | SolTech Neutral#2       | 4                      | 60%           | 8%          | 45%   | 8%      | 46%      | 3.7     | 0.62        | 0.53 |      |
|                        |                         | 6                      | 60%           | 8%          | 44%   | 7%      | 44%      | 3.7     | 0.61        | 0.52 |      |
|                        | SolTech Grey#2          | 6                      | 30%           | 5%          | 23%   | 6%      | 13%      | 3.7     | 0.42        | 0.37 |      |
|                        |                         | 4                      | 69%           | 9%          | 54%   | 10%     | 49%      | 4.2     | 0.70        | 0.61 |      |
|                        | Sunergy Clear#2         | 6                      | 68%           | 9%          | 52%   | 9%      | 46%      | 4.1     | 0.69        | 0.59 |      |
|                        |                         | 10                     | 66%           | 8%          | 48%   | 9%      | 40%      | 4.1     | 0.66        | 0.57 |      |
|                        |                         | 4                      | 82%           | 10%         | 69%   | 11%     | 52%      | 3.7     | 0.83        | 0.72 |      |
|                        | Planibel G#2            | 5                      | 81%           | 11%         | 68%   | 11%     | 50%      | 3.7     | 0.82        | 0.71 |      |
|                        |                         | 6                      | 81%           | 11%         | 66%   | 11%     | 48%      | 3.7     | 0.81        | 0.71 |      |
|                        |                         | 6                      | 67%           | 25%         | 58%   | 19%     | 30%      | 3.8     | 0.72        | 0.62 |      |
|                        | Evantage Clear#2        | 6                      | 32%           | 10%         | 29%   | 9%      | 10%      | 3.8     | 0.48        | 0.41 |      |
|                        | Evantage Grey#2         | 6                      | 38%           | 11%         | 35%   | 10%     | 11%      | 3.8     | 0.53        | 0.45 |      |
|                        | Evantage Bronze#2       | 6                      | 56%           | 19%         | 35%   | 11%     | 16%      | 3.8     | 0.53        | 0.45 |      |
|                        | Evantage BlueGreen#2    | 6                      | 48%           | 16%         | 23%   | 8%      | 7%       | 3.8     | 0.43        | 0.36 |      |
|                        | Evantage SuperGreen#2   | 6                      | 39%           | 12%         | 23%   | 8%      | 10%      | 3.8     | 0.42        | 0.36 |      |
|                        | Laminate                | Clear                  | 6.38          | 89%         | 8%    | 74%     | 7%       | < 1     | 5.7         | 0.92 | 0.79 |
| 6.76                   |                         |                        | 88%           | 8%          | 72%   | 7%      | < 1      | 5.7     | 0.91        | 0.78 |      |
| 8.38                   |                         |                        | 88%           | 9%          | 74%   | 8%      | < 1      | 5.7     | 0.91        | 0.79 |      |
| 10.38                  |                         |                        | 86%           | 8%          | 66%   | 7%      | < 1      | 5.6     | 0.85        | 0.74 |      |
| 12.38                  |                         |                        | 85%           | 8%          | 65%   | 7%      | < 1      | 5.6     | 0.85        | 0.73 |      |
| Grey                   |                         | 6.38                   | 42%           | 5%          | 47%   | 6%      | < 1      | 5.8     | 0.71        | 0.61 |      |
|                        |                         | 8.38                   | 42%           | 5%          | 46%   | 6%      | < 1      | 5.7     | 0.71        | 0.61 |      |
|                        |                         | 10.38                  | 41%           | 5%          | 42%   | 5%      | < 1      | 5.5     | 0.67        | 0.58 |      |
| Bronze                 |                         | 12.38                  | 40%           | 5%          | 41%   | 5%      | < 1      | 5.6     | 0.67        | 0.58 |      |
|                        |                         | 6.38                   | 52%           | 6%          | 51%   | 6%      | < 1      | 5.8     | 0.74        | 0.64 |      |
|                        |                         | 8.38                   | 52%           | 6%          | 50%   | 6%      | < 1      | 5.7     | 0.74        | 0.64 |      |
| Green                  |                         | 10.38                  | 51%           | 6%          | 46%   | 5%      | < 1      | 5.6     | 0.70        | 0.61 |      |
|                        |                         | 6.38                   | 72%           | 7%          | 64%   | 6%      | < 1      | 5.7     | 0.84        | 0.72 |      |
|                        |                         | 8.38                   | 71%           | 7%          | 62%   | 6%      | < 1      | 5.7     | 0.83        | 0.72 |      |
| White Translucent      |                         | 10.38                  | 70%           | 7%          | 57%   | 6%      | < 1      | 5.6     | 0.79        | 0.68 |      |
|                        |                         | 6.38                   | 66%           | 7%          | 56%   | 6%      | < 1      | 5.8     | 0.78        | 0.67 |      |
|                        |                         | 8.38                   | 66%           | 7%          | 55%   | 6%      | < 1      | 5.7     | 0.77        | 0.67 |      |
| ComfortPlus Clear 82   |                         | 10.38                  | 65%           | 7%          | 51%   | 6%      | < 1      | 5.6     | 0.74        | 0.64 |      |
|                        |                         | 6.38                   | 82%           | 10%         | 64%   | 9%      | < 1      | 3.6     | 0.79        | 0.68 |      |
| ComfortPlus Neutral 59 |                         | 10.38                  | 79%           | 10%         | 56%   | 8%      | < 1      | 3.6     | 0.73        | 0.63 |      |
|                        |                         | 6.38                   | 59%           | 7%          | 42%   | 6%      | < 1      | 3.6     | 0.60        | 0.51 |      |
| Audioshield            |                         | 10.38                  | 58%           | 7%          | 38%   | 7%      | < 1      | 3.6     | 0.56        | 0.48 |      |
|                        |                         | 6.5                    | 87%           | 8%          | 72%   | 7%      | < 1      | 5.7     | 0.90        | 0.78 |      |
|                        |                         | 8.5                    | 87%           | 8%          | 72%   | 7%      | < 1      | 5.7     | 0.90        | 0.78 |      |
|                        |                         | 10.5                   | 87%           | 8%          | 70%   | 7%      | < 1      | 5.6     | 0.89        | 0.77 |      |
|                        |                         |                        | 12.5          | 87%         | 8%    | 69%     | 7%       | < 1     | 5.5         | 0.88 | 0.76 |

All performance data is determined– using LBL Windows 6.3 software, NFRC 100-2001

Recommendations are based on performance data. Please consult with your builder, architect or consultant before deciding on any Australian Glass Group product for your requirements.

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