



LandsonGlass

PERFORMANCE SPECIFICATIONS

| THICKNESS<br>MM         | SPECIFICATION | LIGHT PROPERTIES% |          |         | SOLAR ENERGY% |       |       |      | RW<br>VALUE | U VALUE   |           | SHGC | SC   |
|-------------------------|---------------|-------------------|----------|---------|---------------|-------|-------|------|-------------|-----------|-----------|------|------|
|                         |               | Trans             | Refl Out | Refl In | Trans         | Rfsol | Rbsol | Abs1 |             | In Winter | In Summer |      |      |
| <b>MONOLITHIC FLOAT</b> |               |                   |          |         |               |       |       |      |             |           |           |      |      |
| 3                       | CLEAR         | 90.9              | 8.2      | 8.2     | 86.0          | 7.6   | 7.6   | 6.4  | 30          | 5.92      | 5.34      | 0.88 | 1.00 |
| 4                       | CLEAR         | 90.4              | 8.2      | 8.2     | 84.0          | 7.6   | 7.6   | 8.4  | 30          | 5.88      | 5.31      | 0.87 | 0.99 |
| 5                       | CLEAR         | 89.5              | 8.6      | 8.6     | 81.4          | 7.8   | 7.8   | 10.8 | 31          | 5.85      | 5.28      | 0.85 | 0.97 |
| 6                       | CLEAR         | 89.4              | 8.2      | 8.2     | 80.7          | 7.2   | 7.2   | 12.1 | 31          | 5.81      | 5.25      | 0.84 | 0.97 |
| 8                       | CLEAR         | 88.9              | 8.6      | 8.6     | 77.8          | 7.6   | 7.6   | 14.6 | 34          | 5.75      | 5.19      | 0.82 | 0.95 |
| 10                      | CLEAR         | 87.6              | 8.1      | 8.1     | 75.2          | 7.0   | 7.0   | 17.8 | 35          | 5.68      | 5.13      | 0.81 | 0.93 |
| 12                      | CLEAR         | 86.9              | 7.9      | 7.9     | 72.2          | 6.7   | 6.7   | 21.0 | 37          | 5.61      | 5.07      | 0.79 | 0.91 |
| 15                      | CLEAR         | 85.0              | 8.2      | 8.2     | 68.7          | 7.0   | 7.0   | 24.3 |             | 5.51      | 4.99      | 0.76 | 0.88 |
| 19                      | CLEAR         | 83.3              | 7.5      | 7.5     | 61.3          | 6.2   | 6.2   | 32.5 |             | 5.39      | 4.89      | 0.72 | 0.82 |
| 3.2                     | LOW IRON      | 91.8              | 8.4      | 8.4     | 90.7          | 8.2   | 8.2   | 1.2  |             | 5.91      | 5.33      | 0.91 | 1.05 |
| 4                       | LOW IRON      | 91.6              | 8.9      | 8.9     | 89.9          | 8.7   | 8.7   | 1.3  |             | 5.88      | 5.31      | 0.91 | 1.05 |
| 5                       | LOW IRON      | 91.4              | 8.1      | 8.1     | 89.5          | 7.9   | 7.9   | 2.1  |             | 5.85      | 5.28      | 0.91 | 1.04 |
| 6                       | LOW IRON      | 91.1              | 8.1      | 8.1     | 89.3          | 8.0   | 8.0   | 2.7  |             | 5.81      | 5.24      | 0.90 | 1.04 |
| 8                       | LOW IRON      | 90.8              | 7.9      | 7.9     | 88.5          | 7.8   | 7.8   | 3.7  |             | 5.75      | 5.19      | 0.90 | 1.03 |
| 10                      | LOW IRON      | 90.6              | 8.1      | 8.1     | 87.7          | 7.9   | 7.9   | 4.4  |             | 5.68      | 5.13      | 0.89 | 1.02 |
| 12                      | LOW IRON      | 90.2              | 8.4      | 8.4     | 86.5          | 8.2   | 8.2   | 5.3  |             | 5.62      | 5.08      | 0.88 | 1.01 |
| 15                      | LOW IRON      | 90.1              | 8.0      | 8.0     | 86.0          | 8.0   | 8.0   | 6.0  |             | 5.46      | 4.95      | 0.88 | 1.01 |
| 19                      | LOW IRON      | 89.7              | 8.0      | 8.0     | 84.0          | 8.0   | 8.0   | 8.0  |             | 5.33      | 4.84      | 0.87 | 0.99 |
| 3                       | EURO GREY     | 62.9              | 6.2      | 6.2     | 61.3          | 6.1   | 6.1   | 32.6 |             | 5.90      | 5.32      | 0.71 | 0.82 |
| 4                       | EURO GREY     | 57.4              | 6.1      | 6.3     | 58.7          | 6.2   | 6.3   | 35.1 |             | 5.89      | 5.31      | 0.69 | 0.80 |
| 5                       | EURO GREY     | 48.9              | 5.6      | 5.8     | 49.5          | 5.6   | 5.8   | 44.9 |             | 5.85      | 5.28      | 0.63 | 0.73 |
| 6                       | EURO GREY     | 45.8              | 5.4      | 5.6     | 47.0          | 5.5   | 5.6   | 47.5 |             | 5.82      | 5.25      | 0.62 | 0.71 |
| 8                       | EURO GREY     | 36.8              | 5.0      | 5.3     | 38.5          | 5.1   | 5.3   | 56.5 |             | 5.75      | 5.19      | 0.56 | 0.65 |
| 10                      | EURO GREY     | 24.2              | 4.6      | 4.9     | 24.0          | 4.5   | 4.8   | 71.5 |             | 5.68      | 5.13      | 0.47 | 0.54 |
| 12                      | EURO GREY     | 18.0              | 4.5      | 4.5     | 18.0          | 4.4   | 4.4   | 77.6 |             | 5.61      | 5.07      | 0.43 | 0.50 |
| 3                       | F GREEN       | 81.7              | 7.6      | 7.6     | 57.5          | 6.1   | 6.0   | 36.4 |             | 5.91      | 5.33      | 0.69 | 0.79 |
| 4                       | F GREEN       | 79.8              | 7.5      | 7.4     | 52.9          | 5.9   | 5.8   | 41.2 |             | 5.88      | 5.31      | 0.66 | 0.75 |
| 5                       | F GREEN       | 76.8              | 7.3      | 7.3     | 47.0          | 5.7   | 5.7   | 47.2 |             | 5.85      | 5.28      | 0.62 | 0.71 |
| 6                       | F GREEN       | 75.4              | 7.3      | 7.1     | 44.2          | 6.2   | 6.0   | 49.6 |             | 5.81      | 5.25      | 0.60 | 0.68 |
| 8                       | F GREEN       | 70.1              | 7.2      | 7.2     | 35.8          | 5.4   | 5.3   | 58.8 |             | 5.74      | 5.19      | 0.54 | 0.63 |
| 10                      | F GREEN       | 64.5              | 6.4      | 6.4     | 30.0          | 5.0   | 5.0   | 65.1 |             | 5.67      | 5.13      | 0.51 | 0.58 |
| 12                      | F GREEN       | 60.2              | 6.3      | 6.3     | 26.0          | 5.0   | 5.0   | 69.0 |             | 5.61      | 5.07      | 0.48 | 0.55 |
| 3                       | EURO BRONZE   | 68.3              | 6.4      | 6.4     | 68.4          | 6.3   | 6.3   | 25.2 |             | 5.92      | 5.34      | 0.76 | 0.87 |
| 4                       | EURO BRONZE   | 54.2              | 5.9      | 6.1     | 54.7          | 5.9   | 6.1   | 39.4 |             | 5.89      | 5.31      | 0.67 | 0.77 |
| 5                       | EURO BRONZE   | 47.4              | 5.5      | 5.7     | 49.8          | 5.6   | 5.8   | 44.6 |             | 5.85      | 5.28      | 0.64 | 0.73 |
| 6                       | EURO BRONZE   | 42.5              | 5.4      | 5.3     | 44.4          | 5.5   | 5.3   | 50.1 |             | 5.82      | 5.25      | 0.60 | 0.69 |
| 8                       | EURO BRONZE   | 33.9              | 5.2      | 5.0     | 33.0          | 5.1   | 4.9   | 62.0 |             | 5.74      | 5.18      | 0.53 | 0.60 |
| 10                      | EURO BRONZE   | 23.7              | 4.6      | 5.0     | 26.6          | 4.6   | 4.9   | 68.8 |             | 5.68      | 5.13      | 0.49 | 0.56 |



LandsonGlass

PERFORMANCE SPECIFICATIONS

| THICKNESS<br>MM                  | SPECIFICATION             | LIGHT PROPERTIES% |          |         | SOLAR ENERGY% |       |       |      | RW<br>VALUE | U VALUE   |           | SHGC | SC   |
|----------------------------------|---------------------------|-------------------|----------|---------|---------------|-------|-------|------|-------------|-----------|-----------|------|------|
|                                  |                           | Trans             | Refl Out | Refl In | Trans         | Rfsol | Rbsol | Abs1 |             | In Winter | In Summer |      |      |
| 12                               | EURO BRONZE               | 22.6              | 5.4      | 5.4     | 20.4          | 5.1   | 5.1   | 74.5 |             | 5.61      | 5.07      | 0.45 | 0.51 |
| <b>MONOLITHIC COMF-E® SERIES</b> |                           |                   |          |         |               |       |       |      |             |           |           |      |      |
| 3.2                              | COMF-E ULTRA              | 83.2              | 10.6     | 11.4    | 71.0          | 11.0  | 11.9  | 17.9 |             | 3.74      | 2.87      | 0.74 | 0.85 |
| 4                                | COMF-E ULTRA              | 83.0              | 10.0     | 10.7    | 69.0          | 10.7  | 11.7  | 20.2 |             | 3.63      | 2.74      | 0.73 | 0.83 |
| 5                                | COMF-E ULTRA              | 82.5              | 10.6     | 11.4    | 66.3          | 10.9  | 12.3  | 22.8 |             | 3.71      | 2.85      | 0.70 | 0.81 |
| 6                                | COMF-E ULTRA              | 82.2              | 10.4     | 11.3    | 64.8          | 10.6  | 12.2  | 24.7 |             | 3.69      | 2.84      | 0.69 | 0.80 |
| 8                                | COMF-E ULTRA              | 81.6              | 9.7      | 10.7    | 64.4          | 9.8   | 11.8  | 25.8 |             | 3.66      | 2.82      | 0.69 | 0.80 |
| 10                               | COMF-E ULTRA              | 80.3              | 9.4      | 10.5    | 60.0          | 8.9   | 11.4  | 31.1 |             | 3.63      | 2.80      | 0.66 | 0.76 |
| 3.2                              | COMF-E SOLAR              | 60.1              | 7.5      | 9.2     | 45.9          | 7.7   | 11.7  | 46.4 |             | 3.72      | 2.85      | 0.55 | 0.63 |
| 4                                | COMF-E SOLAR              | 59.9              | 7.5      | 9.2     | 45.0          | 7.6   | 11.7  | 47.4 |             | 3.71      | 2.85      | 0.54 | 0.62 |
| 5                                | COMF-E SOLAR              | 59.7              | 7.5      | 9.2     | 44.2          | 7.5   | 11.6  | 48.3 |             | 3.70      | 2.84      | 0.53 | 0.61 |
| 6                                | COMF-E SOLAR              | 59.9              | 7.7      | 9.3     | 43.8          | 7.2   | 11.7  | 49.1 |             | 3.68      | 2.83      | 0.53 | 0.61 |
| 8                                | COMF-E SOLAR              | 59.3              | 7.6      | 9.2     | 41.9          | 6.9   | 11.6  | 51.2 |             | 3.65      | 2.81      | 0.52 | 0.59 |
| 10                               | COMF-E SOLAR              | 60.5              | 8.1      | 9.5     | 40.3          | 7.3   | 11.9  | 52.4 |             | 3.62      | 2.79      | 0.51 | 0.58 |
| 6                                | COMF-E SY                 | 67.7              | 8.6      | 10.2    | 51.7          | 9.4   | 10.5  | 39.0 |             | 4.10      | 3.36      | 0.60 | 0.69 |
| 4                                | COMF-E GREY               | 50.9              | 6.9      | 9.6     | 46.7          | 7.6   | 10.4  |      |             | 3.75      | 2.90      | 0.55 | 0.64 |
| 5                                | COMF-E GREY               | 44.8              | 6.3      | 9.2     | 41.4          | 7.0   | 10.3  |      |             | 3.72      | 2.87      | 0.51 | 0.59 |
| 6                                | COMF-E GREY               | 39.0              | 6.0      | 9.0     | 7.0           | 36.0  |       |      |             | 3.70      | 2.90      | 0.47 | 0.54 |
| 6                                | COMF-E SY GREY            | 33.0              | 5.0      | 9.0     | 6.0           | 27.0  |       |      |             | 4.10      | 3.30      | 0.42 | 0.48 |
| 6                                | COMF-E SOLAR Plus GREY    | 24.0              | 5.4      | 8.5     | 19.5          | 5.2   | 11.0  | 75.3 |             | 3.69      | 2.84      | 0.34 | 0.39 |
| 8                                | COMF-E SOLAR Plus GREY    | 19.4              | 5.3      | 8.1     | 15.5          | 5.1   | 10.7  | 79.4 |             | 3.66      | 2.83      | 0.31 | 0.36 |
| <b>SINGLE GLAZED LAMINATED</b>   |                           |                   |          |         |               |       |       |      |             |           |           |      |      |
| 6.38                             | CLEAR LAMINATED           | 89.7              | 8.2      | 8.2     | 78.9          | 7.4   | 7.4   |      | 32          | 5.77      | 5.21      | 0.83 | 0.95 |
| 8.38                             | CLEAR LAMINATED           | 88.8              | 7.8      | 7.8     | 76.2          | 6.9   | 6.9   |      | 33          | 5.70      | 5.18      | 0.81 | 0.94 |
| 10.38                            | CLEAR LAMINATED           | 88.3              | 7.9      | 7.9     | 73.5          | 6.8   | 6.8   |      | 34          | 5.62      | 5.09      | 0.80 | 0.91 |
| 12.38                            | CLEAR LAMINATED           | 86.8              | 8.26     | 8.26    | 66.6          | 6.8   | 6.8   |      | 36          | 5.55      | 5.03      | 0.75 | 0.86 |
| 9.52                             | LOW IRON LAMINATED        | 91.1              | 8.1      | 8.1     | 82.1          | 7.4   | 7.4   |      | 35          | 5.66      | 5.11      | 0.85 | 0.98 |
| 11.52                            | LOW IRON LAMINATED        | 90.9              | 8.1      | 8.1     | 81.5          | 7.4   | 7.4   |      | 36          | 5.58      | 5.05      | 0.85 | 0.98 |
| 13.52                            | LOW IRON LAMINATED        | 90.4              | 8.1      | 8.1     | 80            | 7.4   | 7.4   |      | 37          | 5.51      | 4.99      | 0.84 | 0.96 |
| 17.52                            | LOW IRON LAMINATED        | 89.8              | 7.8      | 7.8     | 78.6          | 7.2   | 7.2   |      | 39          | 5.38      | 4.88      | 0.83 | 0.95 |
| 21.52                            | LOW IRON LAMINATED        | 89.5              | 8        | 8       | 77.4          | 7.2   | 7.2   |      | 40          | 5.25      | 4.77      | 0.82 | 0.95 |
| 25.52                            | LOW IRON LAMINATED        | 88.9              | 8.3      | 8.3     | 75.7          | 7.5   | 7.5   |      | 42          | 5.13      | 4.66      | 0.81 | 0.93 |
| 13.52                            | CLEAR SGP LAMINATED       | 85.9              | 8.26     | 8.26    | 63.5          | 6.7   | 6.7   |      | 37          | 5.50      | 4.98      | 0.73 | 0.84 |
| 17.52                            | CLEAR SGP LAMINATED       | 84.4              | 8.4      | 8.4     | 60.9          | 6.8   | 6.8   |      | 39          | 5.37      | 4.87      | 0.71 | 0.82 |
| 21.52                            | CLEAR SGP LAMINATED       | 82.2              | 8.1      | 8.1     | 52.5          | 6.2   | 6.2   |      | 40          | 5.24      | 4.76      | 0.66 | 0.76 |
| 25.52                            | CLEAR SGP LAMINATED       | 79.8              | 7.2      | 7.2     | 51.4          | 5.6   | 5.6   |      | 42          | 5.12      | 4.66      | 0.66 | 0.75 |
| 6.76                             | CLEAR ACOUSTIC LAMINATED  | 89.7              | 8.2      | 8.2     | 78.9          | 7.4   | 7.4   |      | 36          | 5.77      | 5.21      | 0.83 | 0.95 |
| 8.76                             | CLEAR ACOUSTIC LAMINATED  | 88.8              | 7.8      | 7.8     | 74.9          | 6.9   | 6.9   |      | 37          | 5.68      | 5.21      | 0.82 | 0.93 |
| 10.76                            | CLEAR ACOUSTIC LAMINATED  | 88.3              | 7.9      | 7.9     | 73.5          | 6.8   | 6.8   |      | 38          | 5.62      | 5.09      | 0.80 | 0.91 |
| 12.76                            | CLEAR ACOUSTIC LAMINATED  | 86.8              | 8.26     | 8.26    | 66.6          | 6.8   | 6.8   |      | 39          | 5.55      | 5.03      | 0.75 | 0.86 |
| 6.38                             | WHT TRANSLUCENT LAMINATED | 67.7              | 6.6      | 6.6     | 61.2          | 6.2   | 6.2   |      | 32          | 5.77      | 5.21      | 0.71 | 0.82 |



## PERFORMANCE SPECIFICATIONS

| THICKNESS<br>MM                      | SPECIFICATION  | LIGHT PROPERTIES% |          |         | SOLAR ENERGY% |       |       |      | RW<br>VALUE | U VALUE   |           | SHGC | SC   |
|--------------------------------------|--|-------------------|----------|---------|---------------|-------|-------|------|-------------|-----------|-----------|------|------|
|                                      |  | Trans             | Refl Out | Refl In | Trans         | Rfsol | Rbsol | Abs1 |             | In Winter | In Summer |      |      |
| 10.38                                | WHT TRANSLUCENT LAMINATED                            | 66.7              | 6.3      | 6.3     | 56.9          | 5.8   | 5.8   |      | 34          | 5.62      | 5.09      | 0.69 | 0.79 |
| 12.38                                | WHT TRANSLUCENT LAMINATED                            | 65.5              | 6.7      | 6.7     | 51.4          | 5.9   | 5.9   |      | 36          | 5.55      | 5.03      | 0.65 | 0.75 |
| 6.38                                 | GREY LAMINATED                                       | 43.0              | 5.3      | 5.3     | 51.7          | 5.7   | 5.7   |      | 32          | 5.77      | 5.21      | 0.65 | 0.75 |
| 10.38                                | GREY LAMINATED                                       | 42.3              | 5.1      | 5.1     | 47.7          | 5.3   | 5.3   |      | 34          | 5.62      | 5.09      | 0.63 | 0.72 |
| 12.38                                | GREY LAMINATED                                       | 41.6              | 5.4      | 5.4     | 42.4          | 5.4   | 5.4   |      | 36          | 5.55      | 5.03      | 0.59 | 0.68 |
| 6.38                                 | GREEN LAMINATED                                      | 72                | 7.2      | 7.2     | 62.7          | 6.3   | 6.3   | 31   | 32          | 5.77      | 5.21      | 0.72 | 0.83 |
| 10.38                                | GREEN LAMINATED                                      | 70.9              | 7.1      | 7.1     | 57.8          | 6     | 6     | 36.2 | 34          | 5.62      | 5.09      | 0.69 | 0.79 |
| 12.38                                | GREEN LAMINATED                                      | 70.2              | 7.1      | 7.1     | 54.6          | 5.8   | 5.8   | 39.6 | 36          | 5.55      | 5.03      | 0.67 | 0.77 |
| 6.38                                 | BRONZE LAMINATED                                     | 54.4              | 6        | 6       | 48.8          | 5.5   | 5.5   | 45.7 | 32          | 5.77      | 5.21      | 0.63 | 0.72 |
| 10.38                                | BRONZE LAMINATED                                     | 51.8              | 5.9      | 5.9     | 46.4          | 5.4   | 5.4   | 48.2 | 34          | 5.62      | 5.09      | 0.62 | 0.71 |
| 12.38                                | BRONZE LAMINATED                                     | 51.2              | 5.9      | 5.9     | 43.8          | 5.3   | 5.3   | 50.9 | 36          | 5.55      | 5.03      | 0.60 | 0.69 |
| <b>COMF-E® SERIS</b>                 |  |                   |          |         |               |       |       |      |             |           |           |      |      |
| 6.38                                 | COMF-E ULTRA LAMI#4                                  | 84                | 10.9     | 10.2    | 67.6          | 10.6  | 8.7   | 21.9 | 32          | 3.68      | 2.85      | 0.72 | 0.82 |
| 10.38                                | COMF-E ULTRA LAMI#4                                  | 82.7              | 10.8     | 10.2    | 61.3          | 9.5   | 11.5  | 28.2 | 34          | 3.60      | 2.78      | 0.67 | 0.77 |
| 12.38                                | COMF-E ULTRA LAMI#4                                  | 81.9              | 9.7      | 10.2    | 58.4          | 8.3   | 11    | 33   | 36          | 3.59      | 2.80      | 0.65 | 0.75 |
| 6.38                                 | COMF-E ULTRA GREY LAMI#4                             | 42.0              | 6.0      | 9.0     | 42.0          | 7.0   | 8.0   | 51.0 | 32          | 3.69      | 2.73      | 0.56 | 0.60 |
| 10.38                                | COMF-E ULTRA GREY LAMI#4                             | 41.5              | 6.0      | 9.0     | 36.0          | 7.0   | 10.0  | 57.0 | 34          | 3.72      | 2.86      | 0.49 | 0.56 |
| 12.38                                | COMF-E ULTRA GREY LAMI#4                             | 41.0              | 6.0      | 8.0     | 35.0          | 6.0   | 10.0  | 59.0 | 36          | 3.75      | 2.89      | 0.48 | 0.55 |
| 6.38                                 | COMF-E ULTRA BRONZE LAMI#4                           | 50.2              | 6.3      | 9.2     | 44.3          | 6.1   | 7.6   |      | 32          | 3.62      | 2.73      | 0.53 | 0.61 |
| 10.38                                | COMF-E ULTRA BRONZE LAMI#4                           | 50.4              | 6.3      | 8.5     | 43.2          | 6.6   | 10.5  |      | 34          | 3.72      | 2.86      | 0.53 | 0.60 |
| 12.38                                | COMF-E ULTRA BRONZE LAMI#4                           | 48.5              | 6.5      | 8.5     | 40.3          | 6.4   | 11.2  |      | 36          | 3.75      | 2.89      | 0.50 | 0.58 |
| 6.38                                 | COMF-E ULTRA GREEN LAMI#4                            | 65.3              | 8.4      | 10.0    | 53.0          | 7.9   | 10.7  |      | 32          | 3.68      | 2.84      | 0.60 | 0.69 |
| 10.38                                | COMF-E ULTRA GREEN LAMI#4                            | 65.1              | 7.9      | 9.6     | 50.0          | 7.6   | 11.0  |      | 34          | 3.62      | 2.80      | 0.58 | 0.67 |
| 12.38                                | COMF-E ULTRA GREEN LAMI#4                            | 64.7              | 7.8      | 9.6     | 47.0          | 7.2   | 11.0  |      | 36          | 3.59      | 2.78      | 0.56 | 0.65 |
| 6.76                                 | COMF-E ULTRA Acoustic LAMI#4                         | 81                | 10       | 11      | 62            | 9     | 8.7   |      | 36          | 3.67      | 2.83      | 0.67 | 0.77 |
| 6.38                                 | COMF-E SOLAR LAMI#4                                  | 57.9              | 7.3      | 9.1     | 40.9          | 6.8   | 11.5  |      | 32          | 3.66      | 2.82      | 0.51 | 0.59 |
| 10.38                                | COMF-E SOLAR LAMI#4                                  | 58.6              | 7.2      | 9       | 39.8          | 6.6   | 53.6  |      | 34          | 3.60      | 2.78      | 0.50 | 0.58 |
| 12.38                                | COMF-E SOLAR LAMI#4                                  | 58.3              | 7.7      | 9.2     | 37.8          | 6.5   | 55.7  |      | 36          | 3.56      | 2.76      | 0.49 | 0.56 |
| 6.38                                 | COMF-E SKY LAMI#4                                    | 51                | 6.5      | 9.5     | 43.5          | 7     | 11.4  |      | 32          | 3.66      | 2.81      | 0.52 | 0.60 |
| 10.38                                | COMF-E SKY LAMI#4                                    | 50                | 6.3      | 9.2     | 39.5          | 6.6   | 10.6  |      | 34          | 3.55      | 2.71      | 0.50 | 0.57 |
| 12.38                                | COMF-E SKY LAMI#4                                    | 49.5              | 6.3      | 9.1     | 37.4          | 6.4   | 10.5  |      | 36          | 3.52      | 2.69      | 0.48 | 0.56 |
| <b>SMART SINGLE GLAZED LAMINATED</b> |  |                   |          |         |               |       |       |      |             |           |           |      |      |
| 9.92                                 | SUPERCLEAR SMART GLASS (With Gauzy® Switchable film) | 86.2              | 7.7      | 7.7     | 76.8          | 7.1   | 7.1   |      | 35          | 5.68      | 5.13      | 0.82 | 0.94 |
| 17.92                                | SUPERCLEAR SMART GLASS (With Gauzy® Switchable film) | 84.9              | 7.5      | 7.5     | 73.6          | 6.9   | 6.9   |      | 39          | 4.92      | 5.42      | 0.80 | 0.92 |
| <b>DOUBLE GLAZED UNITS</b>           |  |                   |          |         |               |       |       |      |             |           |           |      |      |
| 24                                   | CLEAR DGU(6C/12/6C)                                  | 80.2              | 14.7     | 17.7    | 65.6          | 12.3  | 12.3  |      | 34          | 2.54      | 2.71      | 0.74 | 0.85 |
| 22                                   | GREY DGU(5G/12/5C)                                   | 44                | 7.7      | 13.3    | 40.8          | 7.6   | 11.7  |      | 33          | 2.56      | 2.73      | 0.51 | 0.59 |
| 24                                   | GREY DGU(6G/12/6C)                                   | 41.1              | 7.1      | 12.4    | 38.4          | 7.1   | 11    |      | 34          | 2.55      | 2.72      | 0.50 | 0.57 |
| 24                                   | COMF-E ULTRA(6/12/6)#2                               | 74                | 16       | 17.3    | 53.3          | 14.1  | 15.6  |      | 34          | 1.65      | 1.66      | 0.61 | 0.70 |



## PERFORMANCE SPECIFICATIONS

| THICKNESS<br>MM                                  | SPECIFICATION                          | LIGHT PROPERTIES% |          |         | SOLAR ENERGY% |       |       |      | RW<br>VALUE | U VALUE   |           | SHGC | SC   |
|--|--|-------------------|----------|---------|---------------|-------|-------|------|-------------|-----------|-----------|------|------|
|  |  | Trans             | Refl Out | Refl In | Trans         | Rfsol | Rbsol | Abs1 |             | In Winter | In Summer |      |      |
| 24   | COMF-E SOLAR(6/12/6)#2                 | 53.9              | 10.6     | 15.6    | 36.3          | 8.9   | 15.1  |      | 34          | 1.64      | 1.65      | 0.45 | 0.51 |
| 24   | COMF-E SOLAR GREY(6/12/6)#2            | 21.6              | 5.9      | 15      | 16.1          | 5.5   | 14.5  |      | 34          | 1.65      | 1.66      | 0.25 | 0.29 |
| 24   | COMF-E ULTRA GREY(6GR/12/6)#3          | 37.4              | 7.6      | 14.1    | 30            | 8.5   | 13.1  |      | 34          | 1.65      | 1.66      | 0.43 | 0.50 |
| 24.76  | 6.38CLR /12/6.38CLR                    | 81.01             | 14.84    | 14.84   | 62.59         | 12.03 | 14.5  |      | 39          | 2.53      | 2.70      | 0.72 | 0.83 |
| 24.76  | 6.38 COMF-E ULTRA#4/12/ 6.38CLR        | 76.31             | 15.78    | 17.13   | 51.14         | 10.79 | 12.85 |      | 39          | 1.59      | 1.59      | 0.61 | 0.70 |
| 24.76  | 6.38GREY/12/6.38CLR                    | 38.74             | 6.82     | 12.48   | 40.96         | 7.69  | 12.8  |      | 39          | 2.53      | 2.70      | 0.53 | 0.60 |
| 24.76  | 6.38GREY/12/6.38GREY                   | 18.54             | 6.28     | 6.28    | 26.82         | 7.23  | 7.23  |      | 39          | 2.53      | 2.70      | 0.48 | 0.55 |
| 24.76  | 6.38 COMF-E ULTRA GREY#4/12/ 6.38CLR   | 36.51             | 6.95     | 15.41   | 31.81         | 7.1   | 12    |      | 39          | 1.59      | 1.59      | 0.41 | 0.47 |
| 24.76  | 6.38 COMF-E UTLRA GREY#4/12/ 6.38GREY  | 17.45             | 6.47     | 6.95    | 20.82         | 6.82  | 7.2   |      | 39          | 1.59      | 1.59      | 0.40 | 0.45 |
| 24.76  | 6.38 COMF-E SOLAR#4/12/6.38CLR         | 53.2              | 10.19    | 15.58   | 32.95         | 8.18  | 12    |      | 39          | 1.65      | 1.66      | 0.43 | 0.49 |
| 28.76  | 10.38 COMF-E SOLAR#4/12/6.38CLR        | 52.5              | 10.27    | 15.58   | 31.83         | 7.49  | 12    |      | 40          | 1.63      | 1.65      | 0.42 | 0.48 |
| <b>COMF-E® OPTIMUM SERIS</b>                     |  |                   |          |         |               |       |       |      |             |           |           |      |      |
| 18   | COMF-E Optimum 141A(4/10/4)#2          | 77.8              | 16.5     | 15.7    | 47.2          | 30.6  | 33.0  |      | 30          | 1.48      | 1.51      | 0.51 | 0.59 |
| 18   | COMF-E Optimum 141(5/8/5)#2            | 79.3              | 13.4     | 13.1    | 51.0          | 25.6  | 26.0  |      | 30          | 1.71      | 1.77      | 0.57 | 0.65 |
| 20   | COMF-E Optimum 141(5/10/5)#2           | 79.3              | 13.4     | 13.1    | 51.0          | 25.6  | 26.0  |      | 31          | 1.53      | 1.57      | 0.57 | 0.65 |
| 22   | COMF-E Optimum 141(6/10/6)#2           | 80.3              | 12.3     | 12.0    | 51.0          | 23.6  | 24.6  |      | 32          | 1.52      | 1.56      | 0.57 | 0.66 |
| 24   | COMF-E Optimum 141(6/12/6)#2           | 80.3              | 12.3     | 12.0    | 51.0          | 23.6  | 24.6  |      | 34          | 1.46      | 1.41      | 0.57 | 0.66 |
| 24   | COMF-E Optimum LI141(6/12/6)#2         | 81.7              | 13.2     | 12.5    | 55.3          | 29.6  | 24.7  |      | 34          | 1.46      | 1.40      | 0.61 | 0.71 |
| 24   | COMF-E Optimum GST154(6/12/6)#2        | 77.2              | 12.6     | 12.0    | 47.2          | 22.6  | 24.8  |      | 34          | 1.47      | 1.42      | 0.53 | 0.61 |
| 24   | COMF-E Optimum 138(6/12/6)#2           | 69.6              | 13.0     | 14.0    | 33.3          | 33.0  | 33.5  |      | 34          | 1.46      | 1.40      | 0.38 | 0.43 |
| 24   | COMF-E Optimum LI136(6/12/6)#2         | 72.0              | 11.5     | 12.4    | 36.5          | 39.8  | 31.5  |      | 34          | 1.42      | 1.34      | 0.41 | 0.47 |
| 24   | COMF-E Optimum G138(6GR/12Ar/6)#3      | 35.1              | 6.9      | 11.5    | 18.0          | 15.2  | 32.5  |      | 34          | 1.46      | 1.40      | 0.30 | 0.34 |
| 24   | COMF-E Optimum GSX153(6/12/6)#2        | 73.9              | 11.0     | 12.8    | 49.8          | 16.9  | 19.9  |      | 34          | 1.56      | 1.54      | 0.57 | 0.65 |
| 24   | COMF-E Optimum GSX163(6/12/6)#2        | 65.3              | 12.1     | 10.4    | 41.0          | 13.0  | 17.0  |      | 34          | 1.61      | 1.60      | 0.48 | 0.56 |
| 24   | COMF-E Optimum GSX160(6/12/6)#2        | 53.9              | 17.7     | 9.8     | 34.3          | 18.8  | 19.1  |      | 34          | 1.62      | 1.63      | 0.41 | 0.47 |
| 24   | COMF-E Optimum GDX134(6/12/6)#2        | 70.0              | 12.0     | 14.0    | 33.4          | 31.9  | 34.5  |      | 34          | 1.39      | 1.31      | 0.38 | 0.43 |
| 24   | COMF-E Optimum GDX145(6/12/6)#2        | 55.4              | 17.4     | 17.3    | 28.3          | 28.2  | 33.9  |      | 34          | 1.45      | 1.39      | 0.33 | 0.38 |
| 24   | COMF-E Optimum LI144(6/12/6)#2         | 47.1              | 14.9     | 11.8    | 21.8          | 43.9  | 34.0  |      | 34          | 1.41      | 1.34      | 0.26 | 0.29 |
| 24   | COMF-E Optimum CTJ134(6/12/6)#2        | 68.3              | 13.4     | 14.0    | 26.2          | 37.0  | 43.6  |      | 34          | 1.38      | 1.28      | 0.30 | 0.34 |
| 24   | COMF-E Optimum CTJ123(6/12/6)#2        | 70.6              | 13.8     | 13.8    | 28.3          | 53.7  | 43.2  |      | 34          | 1.34      | 1.23      | 0.31 | 0.35 |
| <b>COMF-E® OPTIMUM SMART DOUBLE GLAZED UNITS</b> |  |                   |          |         |               |       |       |      |             |           |           |      |      |
| 27.92  | COMF-E Optimum SMART 141(6/12/9.92)#2  | 77.4              | 12.2     | 11.5    | 49.5          | 23.6  | 21.5  |      | 40          | 1.45      | 1.40      | 0.57 | 0.66 |
| 35.92  | COMF-E Optimum SMART 141(6/12/17.92)#2 | 76.2              | 12.0     | 11.2    | 48.0          | 23.5  | 19.6  |      | 41          | 1.43      | 1.38      | 0.57 | 0.65 |

**Note:** 1. The above Landsonglass performance specifications are created using LNL Windows 7.4 Software. External conditions are subject to ASHRAE NFRC100-2010 standard (US standard).  
 2. Information provided for guidance only and should not be treated as a substitute for detailed technical advice. Landsonglass disclaims any liability for loss or damage suffered from the use of such data.  
 3. U Values in the table are based on Winter climate only.  
 4. To the best of Landsonglass' knowledge, all information is believed to be true and correct at time of compilation.