

# 3M™ Flat Glass Window Film – Single Pane ¼” (6mm) Clear

| Film                | SHGC | VLT | Visible Reflection Exterior | Visible Reflection Interior | U Value | Luminous Efficacy | UV Block | SC   | TSER | Glare Reduction | Heat Loss Reduction | Heat Gain Reduction |
|---------------------|------|-----|-----------------------------|-----------------------------|---------|-------------------|----------|------|------|-----------------|---------------------|---------------------|
| 1/4" Clear          | 0.82 | 89% | 8%                          | 9%                          | 1.03    | 1.1               | 38%      | 0.94 | 19%  | NA              | NA                  | NA                  |
| PR40                | 0.40 | 39% | 7%                          | 7%                          | 0.99    | 1.0               | 99.9%    | 0.46 | 60%  | 55%             | 3%                  | 50%                 |
| PR50                | 0.44 | 50% | 8%                          | 7%                          | 0.99    | 1.1               | 99.9%    | 0.50 | 56%  | 44%             | 3%                  | 46%                 |
| PR60                | 0.47 | 60% | 8%                          | 8%                          | 0.99    | 1.3               | 99.9%    | 0.54 | 53%  | 32%             | 3%                  | 42%                 |
| PR70                | 0.50 | 69% | 9%                          | 9%                          | 0.99    | 1.4               | 99.9%    | 0.58 | 50%  | 22%             | 3%                  | 38%                 |
| CM30                | 0.41 | 36% | 17%                         | 15%                         | 1.02    | 0.9               | 99%      | 0.47 | 59%  | 60%             | 0%                  | 50%                 |
| CM40                | 0.47 | 44% | 14%                         | 12%                         | 1.03    | 0.9               | 99%      | 0.54 | 53%  | 50%             | 0%                  | 43%                 |
| CM50                | 0.53 | 53% | 12%                         | 10%                         | 1.03    | 1.0               | 99%      | 0.61 | 47%  | 40%             | 0%                  | 35%                 |
| NV15                | 0.29 | 15% | 39%                         | 11%                         | 0.98    | 0.5               | 99%      | 0.33 | 71%  | 83%             | 4%                  | 64%                 |
| NV25                | 0.40 | 24% | 20%                         | 7%                          | 1.00    | 0.6               | 99%      | 0.46 | 60%  | 73%             | 2%                  | 51%                 |
| NV35                | 0.49 | 36% | 13%                         | 7%                          | 1.03    | 0.7               | 99%      | 0.56 | 51%  | 59%             | 0%                  | 40%                 |
| P18                 | 0.23 | 17% | 56%                         | 58%                         | 0.93    | 0.7               | 99%      | 0.26 | 77%  | 81%             | 9%                  | 72%                 |
| Neutral 20          | 0.38 | 15% | 21%                         | 19%                         | 0.99    | 0.4               | 99%      | 0.44 | 62%  | 83%             | 3%                  | 53%                 |
| Neutral 35          | 0.44 | 36% | 20%                         | 18%                         | 0.99    | 0.8               | 99%      | 0.51 | 56%  | 60%             | 4%                  | 46%                 |
| Neutral 50          | 0.56 | 52% | 12%                         | 11%                         | 1.03    | 0.9               | 98%      | 0.64 | 44%  | 41%             | 0%                  | 31%                 |
| Neutral 70          | 0.68 | 69% | 9%                          | 8%                          | 1.03    | 1.0               | 98%      | 0.78 | 32%  | 22%             | 0%                  | 17%                 |
| Silver 35           | 0.36 | 35% | 36%                         | 40%                         | 0.92    | 1.0               | 98%      | 0.41 | 64%  | 60%             | 10%                 | 56%                 |
| Nickel 50           | 0.44 | 50% | 24%                         | 23%                         | 0.92    | 1.1               | 99%      | 0.50 | 56%  | 44%             | 10%                 | 46%                 |
| Affinity 15         | 0.21 | 9%  | 58%                         | 25%                         | 1.00    | 0.4               | 99%      | 0.24 | 79%  | 90%             | 2%                  | 74%                 |
| Affinity 30         | 0.39 | 33% | 29%                         | 19%                         | 0.94    | 0.8               | 99%      | 0.45 | 61%  | 63%             | 8%                  | 52%                 |
| Amber35             | 0.25 | 30% | 54%                         | 60%                         | 0.85    | 1.2               | 99%      | 0.29 | 75%  | 67%             | 17%                 | 69%                 |
| Amber LowE 35       | 0.25 | 30% | 52%                         | 56%                         | 0.76    | 1.2               | 99%      | 0.28 | 75%  | 66%             | 26%                 | 70%                 |
| Ultra PR S50        | 0.44 | 50% | 8%                          | 7%                          | 0.99    | 1.1               | 99.9%    | 0.50 | 56%  | 44%             | 3%                  | 46%                 |
| Ultra PR S70        | 0.50 | 69% | 9%                          | 9%                          | 0.99    | 1.4               | 99.9%    | 0.58 | 50%  | 22%             | 3%                  | 38%                 |
| Ultra NV S25        | 0.38 | 27% | 23%                         | 12%                         | 0.97    | 0.7               | 99%      | 0.43 | 63%  | 69%             | 6%                  | 54%                 |
| Ultra Silver S20    | 0.23 | 17% | 56%                         | 58%                         | 0.93    | 0.7               | 99%      | 0.26 | 77%  | 81%             | 9%                  | 72%                 |
| Ultra Neutral S35   | 0.44 | 36% | 20%                         | 18%                         | 0.99    | 0.8               | 99%      | 0.51 | 56%  | 60%             | 4%                  | 46%                 |
| Ultra Neutral S50   | 0.56 | 52% | 12%                         | 11%                         | 1.03    | 0.9               | 98%      | 0.64 | 44%  | 41%             | 0%                  | 31%                 |
| Ultra S150          | 0.82 | 87% | 11%                         | 11%                         | 1.03    | 1.1               | 98%      | 0.94 | 19%  | 2%              | 0%                  | 0%                  |
| Ultra S400          | 0.79 | 86% | 11%                         | 11%                         | 1.03    | 1.1               | 98%      | 0.91 | 21%  | 3%              | 0%                  | 3%                  |
| Ultra S600          | 0.78 | 84% | 10%                         | 10%                         | 1.03    | 1.1               | 99%      | 0.90 | 22%  | 5%              | 0%                  | 4%                  |
| Safety S40          | 0.82 | 87% | 8%                          | 8%                          | 1.03    | 1.1               | 99%      | 0.94 | 19%  | 2%              | 0%                  | 0%                  |
| Safety S70          | 0.79 | 86% | 9%                          | 9%                          | 1.03    | 1.1               | 98%      | 0.91 | 21%  | 3%              | 0%                  | 3%                  |
| Safety S80          | 0.79 | 86% | 9%                          | 9%                          | 1.03    | 1.1               | 99%      | 0.91 | 21%  | 3%              | 0%                  | 3%                  |
| Safety S140         | 0.78 | 85% | 10%                         | 10%                         | 1.03    | 1.1               | 99%      | 0.90 | 22%  | 4%              | 0%                  | 4%                  |
| Silver 15 External  | 0.19 | 17% | 61%                         | 56%                         | 1.02    | 0.9               | 99%      | 0.22 | 81%  | 81%             | 0%                  | 77%                 |
| Bronze 20 External  | 0.22 | 23% | 32%                         | 33%                         | 1.02    | 1.1               | 99%      | 0.25 | 78%  | 74%             | 0%                  | 73%                 |
| Neutral 35 External | 0.49 | 44% | 10%                         | 13%                         | 1.02    | 0.9               | 99%      | 0.56 | 51%  | 50%             | 0%                  | 40%                 |
| Silver 35 External  | 0.36 | 35% | 35%                         | 36%                         | 1.02    | 1.0               | 99%      | 0.41 | 64%  | 60%             | 1%                  | 56%                 |
| Safety S40 External | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 4     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 7     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |

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# 3M™ Flat Glass Window Film – Single Pane ¼” (6mm) Tinted Glass

| Film                | SHGC | VLT | Visible Reflection Exterior | Visible Reflection Interior | U Value | Luminous Efficacy | UV Block | SC   | TSER | Glare Reduction | Heat Loss Reduction | Heat Gain Reduction |
|---------------------|------|-----|-----------------------------|-----------------------------|---------|-------------------|----------|------|------|-----------------|---------------------|---------------------|
| 1/4" tint           | 0.63 | 53% | 13%                         | 9%                          | 1.03    | 0.8               | NA       | 0.72 | 37%  | NA              | NA                  | NA                  |
| PR40                | 0.37 | 24% | 5%                          | 6%                          | 0.99    | 0.6               | 99.9%    | 0.42 | 63%  | 55%             | 3%                  | 41%                 |
| PR50                | 0.39 | 30% | 6%                          | 6%                          | 0.99    | 0.8               | 99.9%    | 0.45 | 61%  | 43%             | 3%                  | 38%                 |
| PR60                | 0.41 | 36% | 6%                          | 7%                          | 0.99    | 0.9               | 99.9%    | 0.47 | 59%  | 32%             | 3%                  | 34%                 |
| PR70                | 0.43 | 42% | 6%                          | 7%                          | 0.99    | 1.0               | 99.9%    | 0.50 | 57%  | 22%             | 3%                  | 31%                 |
| CM30                | 0.38 | 21% | 9%                          | 15%                         | 1.02    | 0.6               | 99%      | 0.43 | 63%  | 60%             | 0%                  | 40%                 |
| CM40                | 0.41 | 27% | 8%                          | 11%                         | 1.03    | 0.6               | 99%      | 0.47 | 59%  | 50%             | 0%                  | 34%                 |
| CM50                | 0.45 | 32% | 7%                          | 9%                          | 1.03    | 0.7               | 99%      | 0.52 | 55%  | 40%             | 0%                  | 28%                 |
| NV15                | 0.31 | 9%  | 17%                         | 11%                         | 0.98    | 0.3               | 99%      | 0.35 | 70%  | 82%             | 4%                  | 51%                 |
| NV25                | 0.38 | 14% | 10%                         | 7%                          | 1.00    | 0.4               | 99%      | 0.43 | 63%  | 74%             | 2%                  | 40%                 |
| NV35                | 0.43 | 22% | 8%                          | 6%                          | 1.03    | 0.5               | 99%      | 0.49 | 57%  | 58%             | 0%                  | 32%                 |
| P18                 | 0.27 | 10% | 23%                         | 58%                         | 0.93    | 0.4               | 99%      | 0.30 | 74%  | 82%             | 9%                  | 58%                 |
| Neutral 20          | 0.32 | 9%  | 10%                         | 19%                         | 0.99    | 0.3               | 99%      | 0.37 | 68%  | 83%             | 3%                  | 49%                 |
| Neutral 35          | 0.39 | 21% | 10%                         | 18%                         | 0.99    | 0.5               | 99%      | 0.45 | 61%  | 60%             | 4%                  | 38%                 |
| Neutral 50          | 0.47 | 31% | 7%                          | 10%                         | 1.03    | 0.7               | 99%      | 0.54 | 53%  | 41%             | 0%                  | 25%                 |
| Neutral 70          | 0.55 | 42% | 6%                          | 7%                          | 1.03    | 0.8               | 99%      | 0.63 | 45%  | 22%             | 0%                  | 13%                 |
| Silver 35           | 0.34 | 21% | 16%                         | 40%                         | 0.92    | 0.6               | 99%      | 0.39 | 66%  | 61%             | 10%                 | 46%                 |
| Nickel 50           | 0.38 | 30% | 12%                         | 22%                         | 0.92    | 0.8               | 99%      | 0.44 | 62%  | 44%             | 10%                 | 39%                 |
| Affinity 15         | 0.27 | 5%  | 24%                         | 25%                         | 1.00    | 0.2               | 99%      | 0.31 | 73%  | 91%             | 2%                  | 57%                 |
| Affinity 30         | 0.37 | 20% | 14%                         | 19%                         | 0.94    | 0.5               | 99%      | 0.43 | 63%  | 62%             | 8%                  | 41%                 |
| Amber35             | 0.27 | 17% | 22%                         | 60%                         | 0.85    | 0.7               | 99%      | 0.31 | 73%  | 67%             | 17%                 | 57%                 |
| Amber LowE 35       | 0.25 | 18% | 22%                         | 56%                         | 0.76    | 0.7               | 99%      | 0.29 | 75%  | 67%             | 26%                 | 60%                 |
| Ultra PRS50         | 0.39 | 30% | 6%                          | 6%                          | 0.99    | 0.8               | 99.9%    | 0.45 | 61%  | 43%             | 3%                  | 38%                 |
| Ultra PRS70         | 0.43 | 42% | 6%                          | 7%                          | 0.99    | 1.0               | 99.9%    | 0.50 | 57%  | 22%             | 3%                  | 31%                 |
| Ultra NV S25        | 0.35 | 16% | 11%                         | 12%                         | 0.97    | 0.5               | 99%      | 0.40 | 65%  | 69%             | 6%                  | 44%                 |
| Ultra Silver S20    | 0.28 | 9%  | 23%                         | 61%                         | 0.98    | 0.3               | 99%      | 0.32 | 72%  | 83%             | 4%                  | 56%                 |
| Ultra Neutral S35   | 0.39 | 21% | 10%                         | 18%                         | 0.99    | 0.5               | 99%      | 0.45 | 61%  | 60%             | 4%                  | 38%                 |
| Ultra Neutral S50   | 0.47 | 30% | 8%                          | 10%                         | 1.03    | 0.7               | 99%      | 0.54 | 53%  | 43%             | 0%                  | 25%                 |
| Ultra S150          | 0.59 | 47% | 7%                          | 7%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Ultra S400          | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Ultra S600          | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Safety S40          | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Safety S70          | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Safety S80          | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Safety S140         | 0.59 | 47% | 6%                          | 6%                          | 1.03    | 0.8               | 99%      | 0.68 | 41%  | 11%             | 0%                  | 6%                  |
| Silver 15 External  | 0.16 | 10% | 61%                         | 23%                         | 1.02    | 0.6               | 99%      | 0.18 | 84%  | 82%             | 0%                  | 75%                 |
| Bronze 20 External  | 0.19 | 14% | 32%                         | 15%                         | 1.02    | 0.7               | 99%      | 0.21 | 81%  | 74%             | 0%                  | 70%                 |
| Neutral 35 External | 0.41 | 27% | 10%                         | 8%                          | 1.02    | 0.6               | 99%      | 0.47 | 59%  | 50%             | 0%                  | 34%                 |
| Silver 35 External  | 0.30 | 21% | 35%                         | 16%                         | 1.02    | 0.7               | 99%      | 0.34 | 70%  | 61%             | 1%                  | 53%                 |
| Safety S40 External | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 4     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 7     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |

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# 3M™ Flat Glass Window Film – Double Pane ¼” (6mm) Clear Glass

| Film                | SHGC | VLT | Visible Reflection Exterior | Visible Reflection Interior | U Value | Luminous Efficacy | UV Block | SC   | TSER | Glare Reduction | Heat Loss Reduction | Heat Gain Reduction |
|---------------------|------|-----|-----------------------------|-----------------------------|---------|-------------------|----------|------|------|-----------------|---------------------|---------------------|
| Dual 1/4" Clear     | 0.70 | 79% | 15%                         | 15%                         | 0.47    | 1.1               | NA       | 0.80 | 30%  | NA              | NA                  | NA                  |
| PR40                | 0.51 | 35% | 14%                         | 8%                          | 0.47    | 0.7               | 99.9%    | 0.59 | 49%  | 55%             | 2%                  | 27%                 |
| PR50                | 0.53 | 45% | 15%                         | 9%                          | 0.47    | 0.8               | 99.9%    | 0.61 | 47%  | 44%             | 2%                  | 25%                 |
| PR60                | 0.54 | 54% | 15%                         | 11%                         | 0.47    | 1.0               | 99.9%    | 0.62 | 46%  | 32%             | 2%                  | 22%                 |
| PR70                | 0.56 | 62% | 15%                         | 13%                         | 0.47    | 1.1               | 99.9%    | 0.64 | 44%  | 22%             | 2%                  | 21%                 |
| CM30                | 0.50 | 32% | 22%                         | 16%                         | 0.47    | 0.6               | 99%      | 0.58 | 50%  | 60%             | 1%                  | 28%                 |
| CM40                | 0.54 | 40% | 20%                         | 14%                         | 0.47    | 0.7               | 99%      | 0.62 | 46%  | 50%             | 1%                  | 23%                 |
| CM50                | 0.57 | 47% | 18%                         | 12%                         | 0.47    | 0.8               | 99%      | 0.66 | 43%  | 40%             | 1%                  | 18%                 |
| NV15                | 0.40 | 14% | 40%                         | 11%                         | 0.46    | 0.4               | 99%      | 0.46 | 60%  | 82%             | 3%                  | 43%                 |
| NV25                | 0.49 | 22% | 24%                         | 8%                          | 0.47    | 0.4               | 99%      | 0.57 | 51%  | 72%             | 1%                  | 29%                 |
| NV35                | 0.55 | 32% | 19%                         | 8%                          | 0.47    | 0.6               | 99%      | 0.64 | 45%  | 60%             | 1%                  | 21%                 |
| P18                 | 0.33 | 15% | 55%                         | 58%                         | 0.45    | 0.5               | 99%      | 0.37 | 67%  | 80%             | 5%                  | 53%                 |
| Neutral 20          | 0.46 | 14% | 25%                         | 19%                         | 0.47    | 0.3               | 99%      | 0.53 | 54%  | 83%             | 2%                  | 34%                 |
| Neutral 35          | 0.51 | 32% | 24%                         | 19%                         | 0.46    | 0.6               | 99%      | 0.59 | 49%  | 60%             | 2%                  | 27%                 |
| Neutral 50          | 0.59 | 46% | 18%                         | 13%                         | 0.48    | 0.8               | 99%      | 0.67 | 41%  | 41%             | 0%                  | 16%                 |
| Neutral 70          | 0.64 | 62% | 16%                         | 12%                         | 0.48    | 1.0               | 99%      | 0.74 | 36%  | 22%             | 0%                  | 8%                  |
| Silver 35           | 0.43 | 32% | 38%                         | 41%                         | 0.45    | 0.7               | 99%      | 0.49 | 57%  | 59%             | 6%                  | 39%                 |
| Nickel 50           | 0.48 | 45% | 28%                         | 25%                         | 0.45    | 0.9               | 99%      | 0.55 | 52%  | 43%             | 6%                  | 31%                 |
| Affinity 15         | 0.32 | 8%  | 57%                         | 26%                         | 0.47    | 0.3               | 99%      | 0.37 | 68%  | 90%             | 1%                  | 54%                 |
| Affinity 30         | 0.46 | 30% | 32%                         | 20%                         | 0.45    | 0.7               | 99%      | 0.53 | 54%  | 62%             | 5%                  | 34%                 |
| Amber35             | 0.32 | 28% | 53%                         | 61%                         | 0.42    | 0.8               | 99%      | 0.37 | 68%  | 65%             | 11%                 | 54%                 |
| Amber LowE 35       | 0.32 | 28% | 51%                         | 57%                         | 0.39    | 0.9               | 99%      | 0.37 | 68%  | 65%             | 17%                 | 55%                 |
| Ultra PRS50         | 0.53 | 45% | 15%                         | 9%                          | 0.47    | 0.8               | 99.9%    | 0.61 | 47%  | 44%             | 2%                  | 25%                 |
| Ultra PRS70         | 0.56 | 62% | 15%                         | 13%                         | 0.47    | 1.1               | 99.9%    | 0.64 | 44%  | 22%             | 2%                  | 21%                 |
| Ultra NV S25        | 0.47 | 25% | 27%                         | 13%                         | 0.46    | 0.5               | 99%      | 0.54 | 53%  | 69%             | 3%                  | 33%                 |
| Ultra Silver S20    | 0.33 | 15% | 55%                         | 58%                         | 0.45    | 0.5               | 99%      | 0.37 | 67%  | 80%             | 5%                  | 53%                 |
| Ultra Neutral S35   | 0.51 | 32% | 24%                         | 19%                         | 0.46    | 0.6               | 99%      | 0.59 | 49%  | 60%             | 2%                  | 27%                 |
| Ultra Neutral S50   | 0.59 | 46% | 18%                         | 13%                         | 0.48    | 0.8               | 99%      | 0.67 | 41%  | 41%             | 0%                  | 16%                 |
| Ultra S150          | 0.68 | 77% | 17%                         | 17%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 3%              | 0%                  | 3%                  |
| Ultra S400          | 0.68 | 75% | 18%                         | 18%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 5%              | 0%                  | 3%                  |
| Ultra S600          | 0.68 | 73% | 18%                         | 18%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 8%              | 0%                  | 3%                  |
| Safety S40          | 0.68 | 77% | 15%                         | 15%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 3%              | 0%                  | 3%                  |
| Safety S70          | 0.68 | 77% | 16%                         | 16%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 3%              | 0%                  | 3%                  |
| Safety S80          | 0.68 | 77% | 16%                         | 16%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 3%              | 0%                  | 3%                  |
| Safety S140         | 0.68 | 72% | 16%                         | 16%                         | 0.47    | 1.1               | 99%      | 0.78 | 32%  | 9%              | 0%                  | 3%                  |
| Silver 15 External  | 0.14 | 15% | 61%                         | 54%                         | 0.47    | 1.1               | 99%      | 0.17 | 86%  | 81%             | 0%                  | 79%                 |
| Bronze 20 External  | 0.17 | 21% | 33%                         | 35%                         | 0.47    | 1.3               | 99%      | 0.19 | 84%  | 73%             | 0%                  | 76%                 |
| Neutral 35 External | 0.38 | 40% | 12%                         | 18%                         | 0.47    | 1.1               | 99%      | 0.43 | 62%  | 50%             | 0%                  | 46%                 |
| Silver 35 External  | 0.29 | 32% | 36%                         | 37%                         | 0.47    | 1.1               | 99%      | 0.33 | 71%  | 59%             | 0%                  | 59%                 |
| Safety S40 External | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 4     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 7     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |

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# 3M™ Flat Glass Window Film – Double Pane ¼” (6mm) Tinted Glass

| Film                | SHGC | VLТ | Visible Reflection Exterior | Visible Reflection Interior | U Value | Luminous Efficacy | UV Block | SC   | TSER | Glare Reduction | Heat Loss Reduction | Heat Gain Reduction |
|---------------------|------|-----|-----------------------------|-----------------------------|---------|-------------------|----------|------|------|-----------------|---------------------|---------------------|
| Dual 1/4" tint      | 0.51 | 47% | 8%                          | 13%                         | 0.47    | 0.9               | NA       | 0.58 | 49%  | NA              | NA                  | NA                  |
| PR40                | 0.39 | 21% | 8%                          | 8%                          | 0.47    | 0.5               | 99.9%    | 0.45 | 61%  | 55%             | 2%                  | 23%                 |
| PR50                | 0.40 | 27% | 8%                          | 9%                          | 0.47    | 0.7               | 99.9%    | 0.46 | 60%  | 44%             | 2%                  | 22%                 |
| PR60                | 0.41 | 32% | 8%                          | 10%                         | 0.47    | 0.8               | 99.9%    | 0.47 | 59%  | 32%             | 2%                  | 20%                 |
| PR70                | 0.42 | 37% | 8%                          | 12%                         | 0.47    | 0.9               | 99.9%    | 0.48 | 59%  | 22%             | 2%                  | 18%                 |
| CM30                | 0.38 | 19% | 11%                         | 16%                         | 0.47    | 0.5               | 99%      | 0.44 | 62%  | 60%             | 1%                  | 25%                 |
| CM40                | 0.40 | 24% | 10%                         | 13%                         | 0.47    | 0.6               | 99%      | 0.46 | 60%  | 50%             | 1%                  | 21%                 |
| CM50                | 0.43 | 28% | 9%                          | 11%                         | 0.47    | 0.7               | 99%      | 0.49 | 58%  | 40%             | 1%                  | 16%                 |
| NV15                | 0.32 | 8%  | 17%                         | 11%                         | 0.46    | 0.3               | 99%      | 0.37 | 68%  | 83%             | 3%                  | 37%                 |
| NV25                | 0.37 | 13% | 12%                         | 8%                          | 0.47    | 0.4               | 99%      | 0.43 | 63%  | 73%             | 1%                  | 27%                 |
| NV35                | 0.42 | 19% | 10%                         | 8%                          | 0.47    | 0.5               | 99%      | 0.48 | 59%  | 60%             | 1%                  | 18%                 |
| P18                 | 0.27 | 9%  | 23%                         | 58%                         | 0.45    | 0.3               | 99%      | 0.31 | 73%  | 81%             | 5%                  | 47%                 |
| Neutral 20          | 0.36 | 8%  | 12%                         | 19%                         | 0.47    | 0.2               | 99%      | 0.41 | 64%  | 83%             | 2%                  | 30%                 |
| Neutral 35          | 0.39 | 19% | 12%                         | 19%                         | 0.46    | 0.5               | 99%      | 0.45 | 61%  | 60%             | 2%                  | 23%                 |
| Neutral 50          | 0.44 | 28% | 10%                         | 13%                         | 0.48    | 0.6               | 99%      | 0.50 | 57%  | 41%             | 0%                  | 14%                 |
| Neutral 70          | 0.47 | 37% | 9%                          | 11%                         | 0.48    | 0.8               | 99%      | 0.54 | 53%  | 22%             | 0%                  | 7%                  |
| Silver 35           | 0.33 | 19% | 16%                         | 41%                         | 0.45    | 0.6               | 99%      | 0.38 | 67%  | 60%             | 6%                  | 34%                 |
| Nickel 50           | 0.36 | 27% | 13%                         | 24%                         | 0.45    | 0.7               | 99%      | 0.42 | 64%  | 43%             | 6%                  | 28%                 |
| Affinity 15         | 0.27 | 5%  | 23%                         | 25%                         | 0.47    | 0.2               | 99%      | 0.31 | 73%  | 89%             | 1%                  | 47%                 |
| Affinity 30         | 0.36 | 18% | 15%                         | 20%                         | 0.45    | 0.5               | 99%      | 0.41 | 64%  | 62%             | 5%                  | 29%                 |
| Amber35             | 0.26 | 16% | 22%                         | 61%                         | 0.42    | 0.6               | 99%      | 0.30 | 74%  | 66%             | 11%                 | 48%                 |
| Amber LowE 35       | 0.26 | 16% | 21%                         | 57%                         | 0.39    | 0.6               | 99%      | 0.29 | 74%  | 65%             | 17%                 | 50%                 |
| Ultra PRS50         | 0.40 | 27% | 8%                          | 9%                          | 0.47    | 0.7               | 99.9%    | 0.46 | 60%  | 44%             | 2%                  | 22%                 |
| Ultra PRS70         | 0.42 | 37% | 8%                          | 12%                         | 0.47    | 0.9               | 99.9%    | 0.48 | 59%  | 22%             | 2%                  | 18%                 |
| Ultra NV S25        | 0.36 | 15% | 13%                         | 13%                         | 0.46    | 0.4               | 99%      | 0.41 | 64%  | 69%             | 3%                  | 29%                 |
| Ultra Silver S20    | 0.27 | 9%  | 23%                         | 58%                         | 0.45    | 0.3               | 99%      | 0.31 | 73%  | 81%             | 5%                  | 47%                 |
| Ultra Neutral S35   | 0.39 | 19% | 12%                         | 19%                         | 0.46    | 0.5               | 99%      | 0.45 | 61%  | 60%             | 2%                  | 23%                 |
| Ultra Neutral S50   | 0.44 | 28% | 10%                         | 13%                         | 0.48    | 0.6               | 99%      | 0.50 | 57%  | 41%             | 0%                  | 14%                 |
| Ultra S150          | 0.46 | 45% | 8%                          | 8%                          | 0.47    | 1.0               | 99%      | 0.53 | 54%  | 5%              | 0%                  | 9%                  |
| Ultra S400          | 0.46 | 42% | 8%                          | 8%                          | 0.47    | 0.9               | 99%      | 0.53 | 54%  | 11%             | 0%                  | 9%                  |
| Ultra S600          | 0.46 | 41% | 8%                          | 8%                          | 0.47    | 0.9               | 99%      | 0.53 | 54%  | 13%             | 0%                  | 9%                  |
| Safety S40          | 0.46 | 45% | 14%                         | 14%                         | 0.47    | 1.0               | 99%      | 0.53 | 54%  | 5%              | 0%                  | 9%                  |
| Safety S70          | 0.46 | 43% | 8%                          | 8%                          | 0.47    | 0.9               | 99%      | 0.53 | 54%  | 9%              | 0%                  | 9%                  |
| Safety S80          | 0.46 | 43% | 8%                          | 8%                          | 0.47    | 0.9               | 99%      | 0.53 | 54%  | 9%              | 0%                  | 9%                  |
| Safety S140         | 0.46 | 43% | 8%                          | 8%                          | 0.47    | 0.9               | 99%      | 0.53 | 54%  | 9%              | 0%                  | 9%                  |
| Silver 15 External  | 0.11 | 9%  | 61%                         | 27%                         | 0.47    | 0.8               | 99%      | 0.13 | 89%  | 81%             | 0%                  | 78%                 |
| Bronze 20 External  | 0.13 | 12% | 32%                         | 20%                         | 0.47    | 1.0               | 99%      | 0.15 | 87%  | 74%             | 0%                  | 75%                 |
| Neutral 35 External | 0.29 | 24% | 10%                         | 14%                         | 0.47    | 0.8               | 99%      | 0.34 | 71%  | 50%             | 0%                  | 42%                 |
| Silver 35 External  | 0.22 | 19% | 35%                         | 21%                         | 0.47    | 0.9               | 99%      | 0.25 | 78%  | 60%             | 0%                  | 57%                 |
| Safety S40 External | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 4     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |
| Anti Graffiti 7     | N/A  | N/A | N/A                         | N/A                         | N/A     | N/A               | 99%      | N/A  | N/A  | N/A             | N/A                 | N/A                 |

**Important:**

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04/08 DMR #