

### Gemini Energy Rating Summary

| Series | Type / Description                  | Glass    | CSA A440.2-14                       |                               |      |    |      | Visual Trans. |
|--------|-------------------------------------|----------|-------------------------------------|-------------------------------|------|----|------|---------------|
|        |                                     |          | Air Infiltration L/s/m <sup>2</sup> | U value (W/m <sup>2</sup> °C) | SHGC | ER | Zone |               |
| Gemini | Low profile picture                 | 180      | 0.10                                | 1.52                          | 0.60 | 41 | 3    | 0.69          |
| Gemini | Fixed Casement                      | 180      | 0.00                                | 1.52                          | 0.44 | 32 | 2    | 0.50          |
| Gemini | Casement                            | 180      | 0.10                                | 1.52                          | 0.44 | 32 | 2    | 0.50          |
| Gemini | Awning                              | 180      | 0.10                                | 1.56                          | 0.44 | 31 | 2    | 0.50          |
| Gemini | Single Slider                       | 180      | 0.20                                | 1.61                          | 0.54 | 36 | 3    | 0.62          |
| Gemini | Single Hung                         | 180      | 1.00                                | 1.62                          | 0.54 | 34 | 3    | 0.62          |
| Gemini | Double Hung                         | 180      | 0.60                                | 1.65                          | 0.53 | 33 | 2    | 0.61          |
| Gemini | Low profile picture w/ grilles 5/8" | 180      | 0.10                                | 1.58                          | 0.55 | 37 | 3    | 0.63          |
| Gemini | Fixed Casement w/ grilles 5/8"      | 180      | 0.00                                | 1.56                          | 0.41 | 29 | 2    | 0.46          |
| Gemini | Casement w/ grilles 5/8"            | 180      | 0.10                                | 1.56                          | 0.41 | 29 | 2    | 0.46          |
| Gemini | Awning w/ grilles 5/8"              | 180      | 0.10                                | 1.59                          | 0.41 | 29 | 2    | 0.46          |
| Gemini | Single Slider w/ grilles 5/8"       | 180      | 0.20                                | 1.66                          | 0.50 | 32 | 2    | 0.57          |
| Gemini | Single Hung w/ grilles 5/8"         | 180      | 1.00                                | 1.66                          | 0.49 | 30 | 2    | 0.56          |
| Gemini | Double Hung w/ grilles 5/8"         | 180      | 0.60                                | 1.70                          | 0.48 | 30 | 2    | 0.55          |
| Gemini | Low profile picture w/ grilles 2"   | 180      | 0.10                                | 1.62                          | 0.45 | 30 | 2    | 0.51          |
| Gemini | Fixed Casement w/ grilles 2"        | 180      | 0.00                                | 1.59                          | 0.34 | 25 | 1    | 0.38          |
| Gemini | Casement w/ grilles 2"              | 180      | 0.10                                | 1.59                          | 0.34 | 24 | 1    | 0.38          |
| Gemini | Awning w/ grilles 2"                | 180      | 0.10                                | 1.61                          | 0.34 | 24 | 0    | 0.38          |
| Gemini | Single Slider w/ grilles 2"         | 180      | 0.20                                | 1.70                          | 0.40 | 26 | 1    | 0.45          |
| Gemini | Single Hung w/ grilles 2"           | 180      | 1.00                                | 1.70                          | 0.39 | 24 | 0    | 0.45          |
| Gemini | Double Hung w/ grilles 2"           | 180      | 0.60                                | 1.73                          | 0.39 | 23 | 0    | 0.44          |
| Gemini | Low profile picture                 | 180 - 3P | 0.10                                | 0.87                          | 0.49 | 49 | 3    | 0.61          |
| Gemini | Fixed Casement                      | 180 - 3P | 0.00                                | 0.99                          | 0.37 | 40 | 3    | 0.46          |
| Gemini | Casement                            | 180 - 3P | 0.10                                | 1.03                          | 0.35 | 38 | 3    | 0.44          |
| Gemini | Awning                              | 180 - 3P | 0.10                                | 1.04                          | 0.36 | 38 | 3    | 0.44          |
| Gemini | Single Slider                       | 180 - 3P | 0.20                                | 1.35                          | 0.45 | 36 | 3    | 0.56          |
| Gemini | Single Hung                         | 180 - 3P | 1.00                                | 1.35                          | 0.44 | 34 | 3    | 0.55          |
| Gemini | Double Hung                         | 180 - 3P | 0.60                                | 1.40                          | 0.44 | 34 | 3    | 0.55          |
| Gemini | Double Slider                       | 180 - 3P | 0.25                                |                               |      |    |      |               |
| Gemini | Low profile picture w/ grilles 5/8" | 180 - 3P | 0.10                                | 0.90                          | 0.45 | 46 | 3    | 0.55          |
| Gemini | Fixed Casement w/ grilles 5/8"      | 180 - 3P | 0.00                                | 1.01                          | 0.34 | 38 | 3    | 0.42          |
| Gemini | Casement w/ grilles 5/8"            | 180 - 3P | 0.10                                | 1.05                          | 0.33 | 36 | 3    | 0.41          |
| Gemini | Awning w/ grilles 5/8"              | 180 - 3P | 0.10                                | 1.05                          | 0.33 | 36 | 3    | 0.41          |
| Gemini | Single Slider w/ grilles 5/8"       | 180 - 3P | 0.20                                | 1.46                          | 0.41 | 32 | 2    | 0.51          |
| Gemini | Single Hung w/ grilles 5/8"         | 180 - 3P | 1.00                                | 1.45                          | 0.41 | 30 | 2    | 0.50          |
| Gemini | Double Hung w/ grilles 5/8"         | 180 - 3P | 0.60                                | 1.50                          | 0.40 | 29 | 2    | 0.50          |
| Gemini | Low profile picture w/ grilles 2"   | 180 - 3P | 0.10                                | 0.91                          | 0.36 | 41 | 3    | 0.45          |
| Gemini | Fixed Casement w/ grilles 2"        | 180 - 3P | 0.00                                | 1.02                          | 0.28 | 34 | 3    | 0.34          |
| Gemini | Casement w/ grilles 2"              | 180 - 3P | 0.10                                | 1.05                          | 0.27 | 33 | 3    | 0.33          |
| Gemini | Awning w/ grilles 2"                | 180 - 3P | 0.10                                | 1.05                          | 0.27 | 33 | 3    | 0.33          |
| Gemini | Single Slider w/ grilles 2"         | 180 - 3P | 0.20                                | 1.49                          | 0.33 | 26 | 1    | 0.41          |
| Gemini | Single Hung w/ grilles 2"           | 180 - 3P | 1.00                                | 1.48                          | 0.33 | 25 | 1    | 0.40          |
| Gemini | Double Hung w/ grilles 2"           | 180 - 3P | 0.60                                | 1.53                          | 0.33 | 24 | 1    | 0.40          |
| Gemini | Double Slider w/ grilles 2"         | 180 - 3P | 0.25                                |                               |      |    |      |               |
| Gemini | Low profile picture                 | 272      | 0.10                                | 1.48                          | 0.36 | 28 | 1    | 0.63          |
| Gemini | Fixed Casement                      | 272      | 0.00                                | 1.46                          | 0.28 | 24 | 1    | 0.47          |
| Gemini | Casement                            | 272      | 0.10                                | 1.49                          | 0.27 | 23 | 1    | 0.46          |
| Gemini | Awning                              | 272      | 0.10                                | 1.53                          | 0.27 | 22 | 1    | 0.46          |
| Gemini | Single Slider                       | 272      | 0.20                                | 1.57                          | 0.33 | 24 | 1    | 0.57          |
| Gemini | Single Hung                         | 272      | 1.00                                | 1.57                          | 0.32 | 23 | 1    | 0.56          |
| Gemini | Double Hung                         | 272      | 0.60                                | 1.61                          | 0.32 | 22 | 0    | 0.55          |
| Gemini | Low profile picture w/ grilles 5/8" | 272      | 0.10                                | 1.54                          | 0.33 | 25 | 1    | 0.57          |
| Gemini | Fixed Casement w/ grilles 5/8"      | 272      | 0.00                                | 1.50                          | 0.26 | 22 | 1    | 0.43          |
| Gemini | Casement w/ grilles 5/8"            | 272      | 0.10                                | 1.53                          | 0.25 | 21 | 1    | 0.42          |
| Gemini | Awning w/ grilles 5/8"              | 272      | 0.10                                | 1.56                          | 0.25 | 20 | 1    | 0.42          |
| Gemini | Single Slider w/ grilles 5/8"       | 272      | 0.20                                | 1.62                          | 0.30 | 22 | 0    | 0.52          |
| Gemini | Single Hung w/ grilles 5/8"         | 272      | 1.00                                | 1.62                          | 0.30 | 20 | 0    | 0.51          |
| Gemini | Double Hung w/ grilles 5/8"         | 272      | 0.60                                | 1.66                          | 0.29 | 19 | 0    | 0.50          |
| Gemini | Low profile picture w/ grilles 2"   | 272      | 0.10                                | 1.59                          | 0.27 | 21 | 1    | 0.46          |
| Gemini | Fixed Casement w/ grilles 2"        | 272      | 0.00                                | 1.54                          | 0.21 | 18 | 1    | 0.36          |
| Gemini | Casement w/ grilles 2"              | 272      | 0.10                                | 1.56                          | 0.21 | 17 | 1    | 0.34          |
| Gemini | Awning w/ grilles 2"                | 272      | 0.10                                | 1.58                          | 0.21 | 17 | 1    | 0.34          |
| Gemini | Single Slider w/ grilles 2"         | 272      | 0.20                                | 1.66                          | 0.24 | 17 | 0    | 0.41          |
| Gemini | Single Hung w/ grilles 2"           | 272      | 1.00                                | 1.67                          | 0.24 | 16 | 0    | 0.41          |
| Gemini | Double Hung w/ grilles 2"           | 272      | 0.60                                | 1.70                          | 0.24 | 15 | 0    | 0.40          |
| Gemini | Low profile picture                 | 272 - 3P | 0.10                                | 0.84                          | 0.31 | 39 | 3    | 0.50          |
| Gemini | Fixed Casement                      | 272 - 3P | 0.00                                | 0.97                          | 0.23 | 32 | 3    | 0.38          |
| Gemini | Casement                            | 272 - 3P | 0.10                                | 1.01                          | 0.23 | 31 | 3    | 0.37          |
| Gemini | Awning                              | 272 - 3P | 0.10                                | 1.01                          | 0.23 | 31 | 3    | 0.37          |
| Gemini | Single Slider                       | 272 - 3P | 0.20                                | 1.33                          | 0.28 | 27 | 2    | 0.46          |
| Gemini | Single Hung                         | 272 - 3P | 1.00                                | 1.33                          | 0.28 | 25 | 2    | 0.45          |
| Gemini | Double Hung                         | 272 - 3P | 0.60                                | 1.37                          | 0.28 | 25 | 2    | 0.45          |

|        |                                     |            |      |      |      |    |   |      |
|--------|-------------------------------------|------------|------|------|------|----|---|------|
| Gemini | Low profile picture w/ grilles 5/8" | 272 - 3P   | 0.10 | 0.85 | 0.28 | 37 | 3 | 0.46 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 272 - 3P   | 0.00 | 0.98 | 0.22 | 31 | 3 | 0.35 |
| Gemini | Casement w/ grilles 5/8"            | 272 - 3P   | 0.10 | 1.02 | 0.21 | 30 | 3 | 0.34 |
| Gemini | Awning w/ grilles 5/8"              | 272 - 3P   | 0.10 | 1.02 | 0.21 | 30 | 3 | 0.34 |
| Gemini | Single Slider w/ grilles 5/8"       | 272 - 3P   | 0.20 | 1.43 | 0.26 | 23 | 1 | 0.42 |
| Gemini | Single Hung w/ grilles 5/8"         | 272 - 3P   | 1.00 | 1.43 | 0.26 | 23 | 1 | 0.41 |
| Gemini | Double Hung w/ grilles 5/8"         | 272 - 3P   | 0.60 | 1.47 | 0.25 | 21 | 1 | 0.41 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 2"   | 272 - 3P   | 0.10 | 0.87 | 0.23 | 34 | 3 | 0.37 |
| Gemini | Fixed Casement w/ grilles 2"        | 272 - 3P   | 0.00 | 0.99 | 0.18 | 29 | 3 | 0.28 |
| Gemini | Casement w/ grilles 2"              | 272 - 3P   | 0.10 | 0.98 | 0.17 | 28 | 3 | 0.27 |
| Gemini | Awning w/ grilles 2"                | 272 - 3P   | 0.10 | 1.02 | 0.17 | 28 | 3 | 0.27 |
| Gemini | Single Slider w/ grilles 2"         | 272 - 3P   | 0.20 | 1.46 | 0.21 | 20 | 1 | 0.33 |
| Gemini | Single Hung w/ grilles 2"           | 272 - 3P   | 1.00 | 1.46 | 0.21 | 18 | 1 | 0.33 |
| Gemini | Double Hung w/ grilles 2"           | 272 - 3P   | 0.60 | 1.50 | 0.21 | 18 | 1 | 0.32 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture                 | 272 w/Tint | 0.10 | 1.48 | 0.35 | 28 | 1 | 0.43 |
| Gemini | Fixed Casement                      | 272 w/Tint | 0.00 | 1.46 | 0.27 | 23 | 1 | 0.32 |
| Gemini | Casement                            | 272 w/Tint | 0.10 | 1.48 | 0.26 | 23 | 1 | 0.31 |
| Gemini | Awning                              | 272 w/Tint | 0.10 | 1.52 | 0.26 | 22 | 1 | 0.31 |
| Gemini | Single Slider                       | 272 w/Tint | 0.20 | 1.59 | 0.32 | 23 | 1 | 0.39 |
| Gemini | Single Hung                         | 272 w/Tint | 1.00 | 1.58 | 0.31 | 22 | 1 | 0.38 |
| Gemini | Double Hung                         | 272 w/Tint | 0.60 | 1.61 | 0.31 | 21 | 0 | 0.38 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 5/8" | 272 w/Tint | 0.10 | 1.56 | 0.32 | 24 | 1 | 0.39 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 272 w/Tint | 0.00 | 1.52 | 0.25 | 21 | 1 | 0.3  |
| Gemini | Casement w/ grilles 5/8"            | 272 w/Tint | 0.10 | 1.53 | 0.24 | 20 | 1 | 0.29 |
| Gemini | Awning w/ grilles 5/8"              | 272 w/Tint | 0.10 | 1.56 | 0.24 | 20 | 1 | 0.29 |
| Gemini | Single Slider w/ grilles 5/8"       | 272 w/Tint | 0.20 | 1.66 | 0.29 | 20 | 0 | 0.35 |
| Gemini | Single Hung w/ grilles 5/8"         | 272 w/Tint | 1.00 | 1.65 | 0.29 | 19 | 0 | 0.35 |
| Gemini | Double Hung w/ grilles 5/8"         | 272 w/Tint | 0.60 | 1.69 | 0.28 | 18 | 0 | 0.34 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 2"   | 272 w/Tint | 0.10 | 1.54 | 0.32 | 25 | 1 | 0.31 |
| Gemini | Fixed Casement w/ grilles 2"        | 272 w/Tint | 0.00 | 1.59 | 0.31 | 17 | 1 | 0.24 |
| Gemini | Casement w/ grilles 2"              | 272 w/Tint | 0.10 | 1.60 | 0.20 | 16 | 1 | 0.23 |
| Gemini | Awning w/ grilles 2"                | 272 w/Tint | 0.10 | 1.62 | 0.20 | 16 | 0 | 0.23 |
| Gemini | Single Slider w/ grilles 2"         | 272 w/Tint | 0.20 | 1.75 | 0.24 | 15 | 0 | 0.28 |
| Gemini | Single Hung w/ grilles 2"           | 272 w/Tint | 1.00 | 1.74 | 0.24 | 14 | 0 | 0.28 |
| Gemini | Double Hung w/ grilles 2"           | 272 w/Tint | 0.60 | 1.77 | 0.23 | 13 | 0 | 0.27 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture                 | 240        | 0.10 | 1.50 | 0.22 | 20 | 1 | 0.35 |
| Gemini | Fixed Casement                      | 240        | 0.00 | 1.48 | 0.17 | 17 | 1 | 0.26 |
| Gemini | Casement                            | 240        | 0.10 | 1.51 | 0.17 | 16 | 1 | 0.26 |
| Gemini | Awning                              | 240        | 0.10 | 1.55 | 0.17 | 15 | 1 | 0.26 |
| Gemini | Single Slider                       | 240        | 0.20 | 1.59 | 0.20 | 16 | 1 | 0.32 |
| Gemini | Single Hung                         | 240        | 1.00 | 1.60 | 0.20 | 15 | 1 | 0.31 |
| Gemini | Double Hung                         | 240        | 0.60 | 1.63 | 0.20 | 14 | 0 | 0.31 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 5/8" | 240        | 0.10 | 1.56 | 0.20 | 17 | 1 | 0.32 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 240        | 0.00 | 1.52 | 0.16 | 16 | 1 | 0.24 |
| Gemini | Casement w/ grilles 5/8"            | 240        | 0.10 | 1.55 | 0.15 | 15 | 1 | 0.23 |
| Gemini | Awning w/ grilles 5/8"              | 240        | 0.10 | 1.58 | 0.15 | 14 | 1 | 0.23 |
| Gemini | Single Slider w/ grilles 5/8"       | 240        | 0.20 | 1.65 | 0.18 | 14 | 0 | 0.29 |
| Gemini | Single Hung w/ grilles 5/8"         | 240        | 1.00 | 1.65 | 0.18 | 13 | 0 | 0.28 |
| Gemini | Double Hung w/ grilles 5/8"         | 240        | 0.60 | 1.68 | 0.18 | 12 | 0 | 0.28 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 2"   | 240        | 0.10 | 1.61 | 0.17 | 14 | 0 | 0.26 |
| Gemini | Fixed Casement w/ grilles 2"        | 240        | 0.00 | 1.56 | 0.13 | 13 | 1 | 0.20 |
| Gemini | Casement w/ grilles 2"              | 240        | 0.10 | 1.58 | 0.13 | 13 | 1 | 0.19 |
| Gemini | Awning w/ grilles 2"                | 240        | 0.10 | 1.60 | 0.13 | 12 | 1 | 0.19 |
| Gemini | Single Slider w/ grilles 2"         | 240        | 0.20 | 1.69 | 0.15 | 11 | 0 | 0.23 |
| Gemini | Single Hung w/ grilles 2"           | 240        | 1.00 | 1.69 | 0.15 | 10 | 0 | 0.23 |
| Gemini | Double Hung w/ grilles 2"           | 240        | 0.60 | 1.73 | 0.15 | 10 | 0 | 0.22 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture                 | 240-3P     | 0.10 | 0.86 | 0.18 | 31 | 3 | 0.15 |
| Gemini | Fixed Casement                      | 240-3P     | 0.00 | 0.98 | 0.14 | 26 | 3 | 0.12 |
| Gemini | Casement                            | 240-3P     | 0.10 | 1.02 | 0.14 | 25 | 3 | 0.11 |
| Gemini | Awning                              | 240-3P     | 0.10 | 1.03 | 0.14 | 25 | 3 | 0.11 |
| Gemini | Single Slider                       | 240-3P     | 0.20 | 1.34 | 0.17 | 20 | 2 | 0.14 |
| Gemini | Single Hung                         | 240-3P     | 1.00 | 1.34 | 0.17 | 18 | 1 | 0.14 |
| Gemini | Double Hung                         | 240-3P     | 0.60 | 1.39 | 0.17 | 18 | 1 | 0.14 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 5/8" | 240-3P     | 0.10 | 0.87 | 0.16 | 30 | 3 | 0.14 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 240-3P     | 0.00 | 0.99 | 0.13 | 26 | 3 | 0.11 |
| Gemini | Casement w/ grilles 5/8"            | 240-3P     | 0.10 | 1.03 | 0.12 | 24 | 3 | 0.10 |
| Gemini | Awning w/ grilles 5/8"              | 240-3P     | 0.10 | 1.03 | 0.13 | 24 | 3 | 0.10 |
| Gemini | Single Slider w/ grilles 5/8"       | 240-3P     | 0.20 | 1.44 | 0.16 | 17 | 1 | 0.13 |
| Gemini | Single Hung w/ grilles 5/8"         | 240-3P     | 1.00 | 1.44 | 0.15 | 16 | 1 | 0.13 |
| Gemini | Double Hung w/ grilles 5/8"         | 240-3P     | 0.60 | 1.49 | 0.15 | 15 | 1 | 0.13 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture w/ grilles 2"   | 240-3P     | 0.10 | 0.80 | 0.13 | 30 | 3 | 0.11 |
| Gemini | Fixed Casement w/ grilles 2"        | 240-3P     | 0.00 | 1.00 | 0.11 | 24 | 3 | 0.09 |
| Gemini | Casement w/ grilles 2"              | 240-3P     | 0.10 | 1.04 | 0.10 | 23 | 2 | 0.08 |
| Gemini | Awning w/ grilles 2"                | 240-3P     | 0.10 | 1.03 | 0.10 | 23 | 2 | 0.08 |
| Gemini | Single Slider w/ grilles 2"         | 240-3P     | 0.20 | 1.48 | 0.13 | 15 | 1 | 0.10 |
| Gemini | Single Hung w/ grilles 2"           | 240-3P     | 1.00 | 1.47 | 0.13 | 13 | 1 | 0.10 |
| Gemini | Double Hung w/ grilles 2"           | 240-3P     | 0.60 | 1.52 | 0.13 | 13 | 1 | 0.10 |
|        |                                     |            |      |      |      |    |   |      |
| Gemini | Low profile picture                 | 366        | 0.10 | 1.44 | 0.24 | 22 | 1 | 0.56 |
| Gemini | Fixed Casement                      | 366        | 0.00 | 1.43 | 0.18 | 19 | 1 | 0.43 |
| Gemini | Casement                            | 366        | 0.10 | 1.46 | 0.18 | 18 | 1 | 0.41 |
| Gemini | Awning                              | 366        | 0.10 | 1.50 | 0.18 | 17 | 1 | 0.41 |
| Gemini | Single Slider                       | 366        | 0.20 | 1.53 | 0.22 | 19 | 1 | 0.51 |
| Gemini | Single Hung                         | 366        | 1.00 | 1.54 | 0.21 | 17 | 1 | 0.50 |
| Gemini | Double Hung                         | 366        | 0.60 | 1.58 | 0.21 | 17 | 1 | 0.50 |

|        |                                     |                |      |      |      |    |   |      |
|--------|-------------------------------------|----------------|------|------|------|----|---|------|
| Gemini | Low profile picture w/ grilles 5/8" | 366            | 0.10 | 1.50 | 0.22 | 20 | 1 | 0.51 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 366            | 0.00 | 1.48 | 0.17 | 17 | 1 | 0.39 |
| Gemini | Casement w/ grilles 5/8"            | 366            | 0.10 | 1.50 | 0.17 | 17 | 1 | 0.38 |
| Gemini | Awning w/ grilles 5/8"              | 366            | 0.10 | 1.53 | 0.17 | 16 | 1 | 0.38 |
| Gemini | Single Slider w/ grilles 5/8"       | 366            | 0.20 | 1.59 | 0.20 | 16 | 1 | 0.46 |
| Gemini | Single Hung w/ grilles 5/8"         | 366            | 1.00 | 1.59 | 0.20 | 15 | 1 | 0.46 |
| Gemini | Double Hung w/ grilles 5/8"         | 366            | 0.60 | 1.63 | 0.20 | 14 | 0 | 0.45 |
| Gemini | Low profile picture w/ grilles 2"   | 366            | 0.10 | 1.55 | 0.18 | 16 | 1 | 0.42 |
| Gemini | Fixed Casement w/ grilles 2"        | 366            | 0.00 | 1.52 | 0.14 | 15 | 1 | 0.32 |
| Gemini | Casement w/ grilles 2"              | 366            | 0.10 | 1.54 | 0.14 | 14 | 1 | 0.31 |
| Gemini | Awning w/ grilles 2"                | 366            | 0.10 | 1.56 | 0.14 | 14 | 1 | 0.31 |
| Gemini | Single Slider w/ grilles 2"         | 366            | 0.20 | 1.64 | 0.16 | 13 | 0 | 0.37 |
| Gemini | Single Hung w/ grilles 2"           | 366            | 1.00 | 1.64 | 0.16 | 12 | 0 | 0.37 |
| Gemini | Double Hung w/ grilles 2"           | 366            | 0.60 | 1.67 | 0.16 | 11 | 0 | 0.36 |
| Gemini | Low profile picture                 | 366 - 3P       | 0.10 | 0.81 | 0.21 | 34 | 3 | 0.40 |
| Gemini | Fixed Casement                      | 366 - 3P       | 0.00 | 0.94 | 0.16 | 28 | 3 | 0.31 |
| Gemini | Casement                            | 366 - 3P       | 0.10 | 0.99 | 0.15 | 27 | 3 | 0.30 |
| Gemini | Awning                              | 366 - 3P       | 0.10 | 0.99 | 0.16 | 27 | 3 | 0.30 |
| Gemini | Single Slider                       | 366 - 3P       | 0.20 | 1.31 | 0.19 | 22 | 2 | 0.37 |
| Gemini | Single Hung                         | 366 - 3P       | 1.00 | 1.31 | 0.19 | 21 | 2 | 0.37 |
| Gemini | Double Hung                         | 366 - 3P       | 0.60 | 1.35 | 0.19 | 20 | 2 | 0.36 |
| Gemini | Low profile picture w/ grilles 5/8" | 366 - 3P       | 0.10 | 0.82 | 0.19 | 33 | 3 | 0.37 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 366 - 3P       | 0.00 | 0.95 | 0.15 | 27 | 3 | 0.28 |
| Gemini | Casement w/ grilles 5/8"            | 366 - 3P       | 0.10 | 0.99 | 0.14 | 26 | 3 | 0.27 |
| Gemini | Awning w/ grilles 5/8"              | 366 - 3P       | 0.10 | 1.01 | 0.14 | 26 | 3 | 0.27 |
| Gemini | Single Slider w/ grilles 5/8"       | 366 - 3P       | 0.20 | 1.40 | 0.18 | 19 | 1 | 0.34 |
| Gemini | Single Hung w/ grilles 5/8"         | 366 - 3P       | 1.00 | 1.41 | 0.17 | 17 | 1 | 0.33 |
| Gemini | Double Hung w/ grilles 5/8"         | 366 - 3P       | 0.60 | 1.45 | 0.17 | 17 | 1 | 0.33 |
| Gemini | Low profile picture w/ grilles 2"   | 366 - 3P       | 0.10 | 0.84 | 0.15 | 30 | 3 | 0.30 |
| Gemini | Fixed Casement w/ grilles 2"        | 366 - 3P       | 0.00 | 0.97 | 0.12 | 26 | 3 | 0.23 |
| Gemini | Casement w/ grilles 2"              | 366 - 3P       | 0.10 | 1.01 | 0.12 | 25 | 3 | 0.22 |
| Gemini | Awning w/ grilles 2"                | 366 - 3P       | 0.10 | 1.00 | 0.12 | 25 | 3 | 0.22 |
| Gemini | Single Slider w/ grilles 2"         | 366 - 3P       | 0.20 | 1.44 | 0.14 | 17 | 1 | 0.27 |
| Gemini | Single Hung w/ grilles 2"           | 366 - 3P       | 1.00 | 1.44 | 0.14 | 15 | 1 | 0.27 |
| Gemini | Double Hung w/ grilles 2"           | 366 - 3P       | 0.60 | 1.46 | 0.14 | 15 | 1 | 0.26 |
| Gemini | Low profile picture                 | 180 - i89      | 0.10 | 1.25 | 0.54 | 44 | 3 | 0.67 |
| Gemini | Fixed Casement                      | 180 - i89      | 0.00 | 1.29 | 0.41 | 36 | 3 | 0.51 |
| Gemini | Casement                            | 180 - i89      | 0.10 | 1.32 | 0.40 | 34 | 3 | 0.49 |
| Gemini | Awning                              | 180 - i89      | 0.10 | 1.38 | 0.40 | 33 | 2 | 0.49 |
| Gemini | Single Slider                       | 180 - i89      | 0.20 | 1.36 | 0.49 | 38 | 3 | 0.61 |
| Gemini | Single Hung                         | 180 - i89      | 1.00 | 1.36 | 0.49 | 37 | 3 | 0.60 |
| Gemini | Double Hung                         | 180 - i89      | 0.60 | 1.42 | 0.48 | 36 | 3 | 0.60 |
| Gemini | Low profile picture w/ grilles 5/8" | 180 - i89      | 0.10 | 1.28 | 0.50 | 40 | 3 | 0.61 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 180 - i89      | 0.00 | 1.31 | 0.38 | 33 | 2 | 0.47 |
| Gemini | Casement w/ grilles 5/8"            | 180 - i89      | 0.10 | 1.34 | 0.37 | 32 | 2 | 0.45 |
| Gemini | Awning w/ grilles 5/8"              | 180 - i89      | 0.10 | 1.37 | 0.37 | 31 | 2 | 0.45 |
| Gemini | Single Slider w/ grilles 5/8"       | 180 - i89      | 0.20 | 1.38 | 0.45 | 35 | 3 | 0.55 |
| Gemini | Single Hung w/ grilles 5/8"         | 180 - i89      | 1.00 | 1.39 | 0.44 | 33 | 2 | 0.55 |
| Gemini | Double Hung w/ grilles 5/8"         | 180 - i89      | 0.60 | 1.44 | 0.44 | 33 | 2 | 0.54 |
| Gemini | Low profile picture w/ grilles 5/8" | 272 - i89      | 0.10 | 1.25 | 0.32 | 31 | 2 | 0.56 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 272 - i89      | 0.00 | 1.29 | 0.25 | 26 | 2 | 0.42 |
| Gemini | Casement w/ grilles 5/8"            | 272 - i89      | 0.10 | 1.32 | 0.24 | 25 | 2 | 0.41 |
| Gemini | Awning w/ grilles 5/8"              | 272 - i89      | 0.10 | 1.35 | 0.24 | 24 | 2 | 0.41 |
| Gemini | Single Slider w/ grilles 5/8"       | 272 - i89      | 0.20 | 1.35 | 0.29 | 27 | 2 | 0.50 |
| Gemini | Single Hung w/ grilles 5/8"         | 272 - i89      | 1.00 | 1.36 | 0.29 | 25 | 2 | 0.50 |
| Gemini | Double Hung w/ grilles 5/8"         | 272 - i89      | 0.60 | 1.40 | 0.29 | 25 | 2 | 0.49 |
| Gemini | Low profile picture                 | 366 - i89 - 3P | 0.10 | 0.73 | 0.18 | 34 | 3 | 0.39 |
| Gemini | Fixed Casement                      | 366 - i89 - 3P | 0.00 | 0.88 | 0.14 | 29 | 3 | 0.30 |
| Gemini | Casement                            | 366 - i89 - 3P | 0.10 | 0.93 | 0.13 | 27 | 3 | 0.29 |
| Gemini | Awning                              | 366 - i89 - 3P | 0.10 | 0.94 | 0.14 | 27 | 3 | 0.29 |
| Gemini | Single Slider                       | 366 - i89 - 3P | 0.20 | 1.16 | 0.17 | 24 | 3 | 0.36 |
| Gemini | Single Hung                         | 366 - i89 - 3P | 1.00 | 1.17 | 0.16 | 22 | 2 | 0.36 |
| Gemini | Double Hung                         | 366 - i89 - 3P | 0.60 | 1.21 | 0.16 | 22 | 2 | 0.36 |
| Gemini | Low profile picture w/ grilles 5/8" | 366 - i89 - 3P | 0.10 | 0.75 | 0.16 | 33 | 3 | 0.36 |
| Gemini | Fixed Casement w/ grilles 5/8"      | 366 - i89 - 3P | 0.00 | 0.94 | 0.13 | 28 | 3 | 0.27 |
| Gemini | Casement w/ grilles 5/8"            | 366 - i89 - 3P | 0.10 | 0.94 | 0.12 | 26 | 3 | 0.27 |
| Gemini | Awning w/ grilles 5/8"              | 366 - i89 - 3P | 0.10 | 0.94 | 0.13 | 26 | 3 | 0.27 |
| Gemini | Single Slider w/ grilles 5/8"       | 366 - i89 - 3P | 0.20 | 1.22 | 0.15 | 22 | 2 | 0.33 |
| Gemini | Single Hung w/ grilles 5/8"         | 366 - i89 - 3P | 1.00 | 1.23 | 0.15 | 20 | 2 | 0.33 |
| Gemini | Double Hung w/ grilles 5/8"         | 366 - i89 - 3P | 0.60 | 1.27 | 0.15 | 20 | 2 | 0.32 |
| Gemini | Low profile picture w/ grilles 2"   | 366 - i89 - 3P | 0.10 | 0.76 | 0.13 | 31 | 3 | 0.29 |
| Gemini | Fixed Casement w/ grilles 2"        | 366 - i89 - 3P | 0.00 | 0.90 | 0.11 | 26 | 3 | 0.22 |
| Gemini | Casement w/ grilles 2"              | 366 - i89 - 3P | 0.10 | 0.95 | 0.10 | 25 | 3 | 0.22 |
| Gemini | Awning w/ grilles 2"                | 366 - i89 - 3P | 0.10 | 0.99 | 0.10 | 24 | 3 | 0.22 |
| Gemini | Single Slider w/ grilles 2"         | 366 - i89 - 3P | 0.20 | 1.24 | 0.12 | 20 | 2 | 0.26 |
| Gemini | Single Hung w/ grilles 2"           | 366 - i89 - 3P | 1.00 | 1.25 | 0.12 | 18 | 1 | 0.26 |
| Gemini | Double Hung w/ grilles 2"           | 366 - i89 - 3P | 0.60 | 1.29 | 0.12 | 18 | 1 | 0.26 |

Certification and testing carried out by:

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