

IGU 6(16)6

| Coating #2 | Color Index | selectivity | Total UV trans (%) | Visible light | | | Solar energy | | | | | Thermal energy | | Relative Heat Gain (air) (w/m ²) |
|---|-------------|-------------|--------------------|---------------|----------------|----------|--------------|-----------|------------|------------------|---------------|---------------------------------------|--------|--|
| | | | | Trans. (%) | Reflection (%) | | Trans. (%) | Refl. (%) | Abs. (%) | Solar Factor (%) | Shading Coeff | U-value | | |
| | | | | | Out (%) | In (%) | | | | | | air | argon* | |
| | | | | τ_v | ρ'_v | ρ_v | τ_e | ρ_e | α_e | g | SC | U _{cen} (w/m ² K) | | |
| Light blue substrate (Planibel® Azur float glass) | | | | | | | | | | | | | | |
| Elite | 87 | 1.75 | 4 | 55 | 11 | 15 | 27 | 11 | 62 | 31 | 0.36 | 1.4 | 1.1 | 237 |
| Crystal | 85 | 1.62 | 8 | 50 | 14 | 13 | 26 | 11 | 63 | 31 | 0.35 | 1.4 | 1.1 | 232 |
| Safir | 85 | 1.78 | 4 | 50 | 12 | 18 | 23 | 11 | 66 | 28 | 0.32 | 1.4 | 1.1 | 212 |
| Carat | 84 | 1.83 | 2 | 43 | 11 | 15 | 18 | 11 | 71 | 23 | 0.27 | 1.4 | 1.1 | 181 |
| Silver Bright | 85 | 0.86 | 2 | 17 | 34 | 14 | 9 | 22 | 69 | 20 | 0.23 | 1.4 | 1.1 | 156 |
| Galaxy | 78 | 1.73 | 2 | 33 | 13 | 19 | 14 | 12 | 74 | 19 | 0.22 | 1.4 | 1.1 | 149 |
| Blue substrate (Planibel® Dark Blue float glass) | | | | | | | | | | | | | | |
| Elite | 80 | 1.55 | 3 | 43 | 8 | 14 | 23 | 10 | 67 | 28 | 0.32 | 1.4 | 1.1 | 212 |
| Crystal | 79 | 1.42 | 6 | 39 | 10 | 12 | 22 | 10 | 68 | 27 | 0.31 | 1.4 | 1.1 | 206 |
| Safir | 78 | 1.58 | 3 | 40 | 9 | 17 | 20 | 11 | 69 | 25 | 0.28 | 1.4 | 1.1 | 187 |
| Carat | 78 | 1.62 | 2 | 33 | 9 | 15 | 15 | 10 | 75 | 20 | 0.23 | 1.4 | 1.1 | 155 |
| Silver Bright | 79 | 0.74 | 1 | 13 | 23 | 14 | 8 | 18 | 74 | 18 | 0.21 | 1.4 | 1.1 | 143 |
| Galaxy | 72 | 1.52 | 2 | 26 | 10 | 19 | 12 | 11 | 77 | 17 | 0.19 | 1.4 | 1.1 | 130 |
| Deep blue substrate (Planibel® Privablue float glass) | | | | | | | | | | | | | | |
| Elite | 61 | 1.47 | 2 | 27 | 6 | 13 | 12 | 5 | 83 | 18 | 0.20 | 1.4 | 1.1 | 137 |
| Crystal | 60 | 1.38 | 4 | 24 | 7 | 12 | 11 | 6 | 83 | 17 | 0.19 | 1.4 | 1.1 | 131 |
| Safir | 59 | 1.45 | 2 | 24 | 6 | 17 | 11 | 6 | 83 | 16 | 0.19 | 1.4 | 1.1 | 130 |
| Carat | 59 | 1.44 | 1 | 21 | 6 | 14 | 9 | 6 | 85 | 14 | 0.16 | 1.4 | 1.1 | 111 |
| Galaxy | 55 | 1.27 | 1 | 16 | 6 | 19 | 7 | 6 | 87 | 12 | 0.14 | 1.4 | 1.1 | 99 |
| Silver Bright | 60 | 0.66 | 1 | 8 | 12 | 13 | 4 | 8 | 88 | 12 | 0.14 | 1.4 | 1.1 | 99 |
| Grey substrate (Planibel® grey float glass) | | | | | | | | | | | | | | |
| Crystal | 93 | 1.16 | 5 | 30 | 8 | 12 | 20 | 13 | 67 | 26 | 0.30 | 1.4 | 1.1 | 200 |
| Elite | 95 | 1.34 | 3 | 33 | 7 | 14 | 20 | 14 | 66 | 25 | 0.28 | 1.4 | 1.1 | 187 |
| Safir | 93 | 1.39 | 3 | 30 | 7 | 17 | 17 | 14 | 69 | 22 | 0.25 | 1.4 | 1.1 | 168 |
| Carat | 91 | 1.44 | 2 | 26 | 7 | 14 | 13 | 13 | 74 | 18 | 0.21 | 1.4 | 1.1 | 143 |
| Silver Bright | 90 | 0.61 | 1 | 10 | 15 | 13 | 7 | 20 | 73 | 17 | 0.19 | 1.4 | 1.1 | 130 |
| Galaxy | 85 | 1.37 | 1 | 20 | 7 | 19 | 9 | 14 | 77 | 14 | 0.17 | 1.4 | 1.1 | 118 |
| Bronze substrate (Planibel® bronze float glass) | | | | | | | | | | | | | | |
| Crystal | 93 | 1.24 | 4 | 34 | 9 | 12 | 22 | 15 | 63 | 28 | 0.32 | 1.4 | 1.1 | 213 |
| Elite | 93 | 1.44 | 2 | 38 | 7 | 14 | 21 | 16 | 63 | 26 | 0.30 | 1.4 | 1.1 | 200 |
| Safir | 94 | 1.50 | 2 | 34 | 8 | 17 | 18 | 16 | 66 | 23 | 0.27 | 1.4 | 1.1 | 181 |
| Carat | 93 | 1.55 | 1 | 29 | 7 | 14 | 14 | 14 | 72 | 19 | 0.22 | 1.4 | 1.1 | 149 |
| Silver Bright | 89 | 0.67 | 1 | 12 | 18 | 13 | 8 | 23 | 69 | 18 | 0.20 | 1.4 | 1.1 | 137 |
| Galaxy | 91 | 1.49 | 1 | 22 | 8 | 19 | 10 | 16 | 74 | 15 | 0.17 | 1.4 | 1.1 | 118 |

The values given in the table have a tolerance of +/- 3 points (except U-value ± 0.1)
 Coatings positioned on surface #2 only
 Light, solar & thermal values measured / calculated according to EN410 & EN673
 For external colour impressions associated with various coatings, refer to brochure
 * argon filling only available for IGU with poly-urethane sealants
 ** values for both panes in low-iron

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