## Vitro Monolithic Float

| Product Name | Thickness (mm) | Solar Transmittance | Solar Reflectance (1) | Solar Reflectance (2) | TVIS | RVIS (1) | RVIS (2) | SC | SHGC | RHG (W/m2) | U Sum W/m2 K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tintex® | 3 | 59.0% | 6.0% | 6.1% | 82.0% | 7.6% | 7.6% | 0.80 | 0.69 | 546 | 5.32 |
| Tintex® | 5 | 49.5% | 5.6% | 5.8% | 78.0% | 7.3% | 7.4% | 0.73 | 0.63 | 500 | 5.28 |
| Tintex® | 6 | 44.7% | 5.3% | 5.6% | 75.5% | 7.1% | 7.3% | 0.69 | 0.60 | 477 | 5.25 |
| Tintex® | 10 | 32.7% | 4.9% | 5.2% | 66.8% | 6.5% | 6.7% | 0.60 | 0.52 | 421 | 5.14 |
| Clear Float Glass | 3 | 83.8% | 7.7% | 7.8% | 89.6% | 8.5% | 8.6% | 0.99 | 0.86 | 667 | 5.33 |
| Clear Float Glass | 5 | 79.5% | 7.3% | 7.4% | 88.4% | 8.3% | 8.3% | 0.96 | 0.83 | 646 | 5.28 |
| Clear Float Glass | 6 | 77.2% | 7.3% | 7.4% | 87.8% | 8.4% | 8.5% | 0.94 | 0.82 | 634 | 5.25 |
| Clear Float Glass | 10 | 69.5% | 6.8% | 7.0% | 85.3% | 8.2% | 8.3% | 0.88 | 0.76 | 597 | 5.15 |
| Clear Float Glass | 12 | 63.0% | 6.4% | 6.7% | 83.0% | 8.1% | 8.2% | 0.83 | 0.72 | 565 | 5.06 |
| Clear Float Glass | 19 | 54.6% | 5.7% | 6.0% | 79.4% | 7.4% | 7.6% | 0.77 | 0.67 | 526 | 4.88 |
| Filtraplus® | 3.2 | 20.1% | 4.4% | 4.8% | 24.2% | 4.6% | 4.9% | 0.50 | 0.43 | 358 | 5.32 |
| Filtraplus® | 5 | 11.1% | 4.3% | 4.7% | 11.9% | 4.4% | 4.9% | 0.44 | 0.37 | 316 | 5.28 |
| Filtraplus® | 6 | 7.5% | 4.3% | 4.6% | 8.3% | 4.4% | 4.8% | 0.41 | 0.35 | 299 | 5.25 |
| Tintex Plus® | 3 | 47.2% | 5.4% | 5.6% | 75.7% | 7.1% | 7.2% | 0.71 | 0.61 | 489 | 5.32 |
| Tintex Plus® | 5 | 37.7% | 5.2% | 5.4% | 69.8% | 6.9% | 7.0% | 0.64 | 0.55 | 443 | 5.28 |
| Tintex Plus® | 6 | 32.7% | 5.0% | 5.2% | 65.6% | 6.6% | 6.9% | 0.60 | 0.51 | 419 | 5.25 |
| Cristazul® | 5 | 48.2% | 5.4% | 5.7% | 60.0% | 6.2% | 6.4% | 0.72 | 0.62 | 494 | 5.28 |
| Cristazul® | 6 | 43.7% | 5.2% | 5.5% | 55.1% | 6.0% | 6.3% | 0.68 | 0.59 | 472 | 5.25 |
| Cristazul® | 10 | 27.9% | 4.7% | 5.0% | 39.3% | 5.2% | 5.6% | 0.57 | 0.49 | 398 | 5.14 |
| Filtrasol® | 3 | 62.9% | 6.2% | 6.4% | 63.5% | 6.4% | 6.6% | 0.83 | 0.72 | 565 | 5.34 |
| Filtrasol® | 6 | 44.0% | 5.1% | 5.3% | 45.2% | 5.2% | 5.5% | 0.69 | 0.59 | 474 | 5.25 |
| Filtrasol® | 10 | 28.1% | 4.6% | 4.7% | 28.1% | 4.6% | 4.9% | 0.57 | 0.49 | 399 | 5.14 |
| Vitrosol® | 3 | 66.6% | 6.5% | 6.6% | 68.2% | 6.8% | 6.9% | 0.86 | 0.74 | 583 | 5.33 |
| Vitrosol® | 5 | 55.3% | 5.7% | 5.9% | 57.0% | 6.0% | 6.2% | 0.77 | 0.67 | 528 | 5.28 |
| Vitrosol® | 6 | 50.5% | 5.5% | 5.8% | 52.5% | 5.8% | 6.1% | 0.74 | 0.64 | 505 | 5.25 |
| Vitrosol® | 10 | 34.5% | 4.9% | 4.7% | 36.5% | 5.1% | 4.8% | 0.62 | 0.53 | 430 | 5.15 |

**Visible Light Transmittance (Tvis)**
The percentage of visible light (380 - 780 nm) that is transmitted through the glass.

**Solar Transmittance (Tsolar)**
Percentage of ultraviolet, visible and near infrared energy (300 - 3000 nm) transmitted through the gla

**Visible Light Reflectance (Rvis)**
The percentage of light that is reflected from the glass surface(

**Solar Reflectance (Rsol)**
The percentage of solar energy that is reflected from the glass

**NFRC U-Value**
A measure of heat gain or heat loss through glass due to the differences between indoor and outdoor temperatures. These are center pane values based on ASHRAE standard winter nighttime and summer daytime conditions.

U-values are given in BTU/(hr*ft2*°F) for the English system. Metric U-valu

*Note: To convert from English to metric, multiply the English U-value by 5

Winter nighttime U-values are based on an outdoor temperature of 0°F (-17.8 indoor temperature of 70°F (21°C) and a 15 mph (24 km/h) outdoor air veloc

indoor temperature of 75°F (24°C), a 7.5 mph (12 km/h) outdoor air velocity solar intensity of 248 BTU/(hr*ft2*°F) (782 W/m2).

**Shading Coefficient**
Shading coefficient is the ratio of solar heat gain through a specific type of g relative to the solar heat gain through a 1/8" (3 mm) ply of clear glass under

**Solar Heat Gain Coefficient (SHGC)**
The portion of directly transmitted and absorbed solar energy that enters into building's interior. The higher the SHGC, the higher the heat gain.

**Vitro Monolithic Float**

| Product Name | Thickness (mm) | Solar Transmittance | Solar Reflectance (1) | Solar Reflectance (2) | TVIS | RVIS (1) | RVIS (2) | SC | SHGC | RHG (W/m2) | U Sum W/m2 K |
|---|---|---|---|---|---|---|---|---|---|---|---|

| U winter<br><br><br>W/m2 K |
|---|
| 5.91 |
| 5.85 |
| 5.82 |
| 5.69 |
| 5.91 |
| 5.85 |
| 5.82 |
| 5.70 |
| 5.60 |
| 5.38 |
| 5.90 |
| 5.85 |
| 5.82 |
| 5.90 |
| 5.85 |
| 5.82 |
| 5.85 |
| 5.82 |
| 5.69 |
| 5.92 |
| 5.82 |
| 5.69 |
| 5.91 |
| 5.85 |
| 5.82 |
| 5.69 |

lues are given in W/(m2*°K)*.

5.6783.

8°C), an
city.

and a

lass that is
identical

the

| U winter |
| --- |
| W/m2 K |