

sunbelt nordic 70/37

EN-Standard

| Basisglas | Ebene | Glasstärke [mm] | sichtbarer Lichtbereich | | | | solare Strahlung | | | g-Wert [%] | b-Wert (g-Wert/0,8) [%] | shading coefficient (g-Wert/0,87) [%] | Farbwiedergabeindex R _a | U _g -Wert [W/m ² K] (90% Argon) |
|--------------------------|-----------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------|--------------------|---------------------|----------------|-----------------------|-------------------------|---------------------------------------|------------------------------------|--|
| | | | Trans-mission [%] | UV-Trans-mission [%] | Reflexion [%] | | Trans-mission [%] | Reflexion [%] außen | Absorption [%] | | | | | |
| | | | | | außen | innen | | | | | | | | |
| substrate | coated glass surface | standard thickness [mm] | visible light | | | | total solar energy | | | solar factor (SF) [%] | b-value (SF/0.8) [%] | shading coefficient (SF/0.87) [%] | colour rendering index | U _g -value [W/m ² K] (90% argon) |
| trans-mittance [%] | UV trans-mittance [%] | reflectance [%] | | trans-mittance [%] | reflectance [%] outside | absorbance [%] | | | | | | | | |
| | | outside | inside | | | | | | | | | | | |
| Floatglas clear | #2 | 6 16 4 | 70 | 7 | 14 | 16 | 35 | 35 | 31 | 37 | 47 | 43 | 96 | 1,0 |
| Grünglas green | #2 | 6 16 4 | 59 | 3 | 12 | 16 | 25 | 11 | 64 | 29 | 36 | 33 | 89 | 1,0 |
| Grauglas grey | #2 | 6 16 4 | 35 | 2 | 7 | 15 | 18 | 15 | 67 | 22 | 27 | 25 | 94 | 1,0 |
| Bronzeglas bronze | #2 | 6 16 4 | 39 | 2 | 7 | 15 | 20 | 15 | 65 | 23 | 29 | 27 | 91 | 1,0 |

Glasfarben abweichend von Farben in diesem Prospekt.

Alle technischen Werte nach EN 410 und EN 673 (ΔT = 15 K), Produktionstoleranzen nach EN 1096.

Alle Produkte sind ausschließlich für den Einsatz auf Ebene #2 freigegeben.

Werte können sich im Zuge der Produktweiterentwicklung ändern. Irrtümer und Fehler nicht ausgeschlossen.

Stand: Januar 2017

Glass colours shown are for reference only and do not represent actual glass colour.

Performance data are calculated using EN 410 and EN 673 (ΔT = 15 K), manufacturing tolerances EN 1096.

All products are approved only for use on surface #2.

arcon reserves the right to change product performance characteristics without notice and without obligation.

rev: January 2017



sunbelt nordic 70/37

American Standard ASHRAE

| substrate | coated glass surface | standard thickness [mm] | visible light | | | | total solar energy | | | solar factor (SF) [%] | shading coefficient (SF/0.87) [%] | U-values [W/(m²·K)] | | | | relative heat gain | |
|---------------|----------------------|-------------------------|-------------------|----------------------|-----------------|--------|--------------------|-----------------|----------------|-----------------------|-----------------------------------|---------------------|------------|--------|------------|--------------------|---------------|
| | | | transmittance [%] | UV transmittance [%] | reflectance [%] | | transmittance [%] | reflectance [%] | absorbance [%] | | | summer | | winter | | [W/(m²)] | [BTU/(h·ft²)] |
| | | | | | outside | inside | | | | | | air | argon | air | argon | | |
| | | | | | | | | | | | | | | | | | |
| clear | #2 | 6 12 6 | 70 | 8 | 15 | 16 | 31 | 38 | 31 | 35 | 40 | 1,6 | 1,3 | 1,6 | 1,4 | 266 | 84 |
| green | #2 | 6 12 6 | 58 | 4 | 11 | 16 | 22 | 11 | 67 | 29 | 33 | 1,6 | 1,3 | 1,6 | 1,4 | 222 | 70 |
| grey | #2 | 6 12 6 | 34 | 3 | 7 | 14 | 16 | 17 | 67 | 23 | 27 | 1,6 | 1,3 | 1,6 | 1,4 | 180 | 57 |
| bronze | #2 | 6 12 6 | 39 | 3 | 7 | 15 | 18 | 18 | 65 | 24 | 28 | 1,6 | 1,3 | 1,6 | 1,4 | 188 | 60 |

Glass colors shown are for reference only and do not represent actual glass color.

All performance data are calculated using Lawrence Berkeley National Laboratories Window 5.2 analysis program with arcon spectral data based on environmental conditions NFRC 100-2001 summer and winter.

The performance values shown are nominal values and subject to variations due to manufacturing tolerances (EN 1096).

All coated products are #2 surface only.

arcon reserves the right to change product performance characteristics without notice and without obligation.

rev: January 2017

