



PRODUCT DATA SHEET COOL-LITE® SKN 176 II

COOL-LITE® SKN 176 II is a highly selective solar control coating providing the perfect balance between high solar protection and high visible light transmission.

Benefits

The neutral color of this product creates the effect of natural light both indoors and outdoors. Its high selectivity and excellent thermal insulation ensure consistent comfort in every season. It helps to create more comfortable interiors by reducing overheating, minimizing the need for artificial lighting during daylight hours and lowering energy consumption.

Applications

COOL-LITE® SKN 176 II is a solar control coating for use in residential or commercial buildings, either for façades or overhead glazing. Due to its high performance and aesthetic, it is ideally suited to applications requiring high light transmittance, low g value and excellent neutrality.

Processing

In order to achieve its performances and aesthetics, COOL-LITE® SKN 176 II must be:

- Tempered, compatible with Heat Soak Test
- Edge deleted prior to assembling
- Assembled into an insulated glazing unit
- Positioned on the face 2 (inside the IGU)

*Please contact us for more details

Performance

Average performance data are based on NFRC standards for center-of-glass only in the glazing configuration 6mm | 12mm | 6mm with coating on surface #2.

| | SUBSTRATE | Visible Light Transmittance (VLT%) | Solar Heat Gain Coefficient (SHGC) | Shading Coefficient (SC) | Light to Solar Gain (LSG) | External Light Reflectance LRe [%] | Internal Light Reflectance LRI [%] | Ug-Value*Winter [W/m2K] | | | U-Value Btu/(h.ft2.F) | |
|-----------------------|---------------|------------------------------------|------------------------------------|--------------------------|---------------------------|------------------------------------|------------------------------------|-------------------------|--------------|-------------------|-----------------------|------------|
| | | | | | | | | 1/2" air | 1/2" air (R) | 5/8" (16mm) argon | 1/2" air | 5/8" Argon |
| COOL-LITE® SKN 176 II | Planilux® | 68 | 0.34 | 0.39 | 2.0 | 13 | 15 | 1.61 | 0.62 | 1.39 | 0.28 | 0.25 |
| COOL-LITE® SKN 376 II | Parasol Grey® | 33 | 0.23 | 0.26 | 1.4 | 6 | 13 | 1.61 | 0.62 | 1.39 | 0.28 | 0.24 |

*This product is also available on PLANICLEAR®, DIAMANT® and ORAÉ® substrates. Please contact us for more details.