

# SKN 184 6 FT DIAMANT (16 Argon 90) 6 FT [Swisspacer Ultimate Pro]

Configuration: 6 FT DIAMANT (16 Argon 90) 6 FT [Swisspacer Ultimate Pro]

Coating: COOL-LITE SKN 183 II #2 / PLANITHERM HN Tempered #1

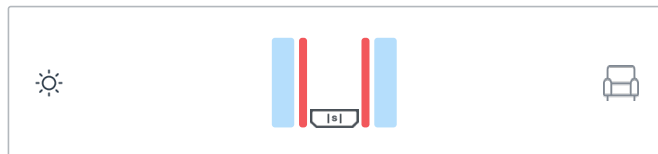
Computed by: Sergiy Diachenko




Computed on: 09/05/2025


Product catalog: USA

Norms: NFRC











## Glazing type



	<b>Glazing 1</b> <ul style="list-style-type: none"> <li>DIAMANT (6mm) - Tempered</li> <li>COOL-LITE SKN 183 II</li> </ul>
	<b>Cavity 1</b> <ul style="list-style-type: none"> <li>Argon 90% 16 mm</li> <li>Swisspacer Ultimate Pro</li> </ul>
	<b>Glazing 2</b> <ul style="list-style-type: none"> <li>PLANITHERM HN Tempered</li> <li>PLANILUX (6mm) - Tempered</li> </ul>

	
<b>Swisspacer Ultimate Pro</b> Psi-values ( $\Psi_g$ ) for double glazing 4-16-4 ( $U_g = 1.1 \text{ W/m}^2\cdot\text{K}$ )	
<b>For windows</b>	
Metal with thermal break	0.036 W/(m.K)
Plastic	0.031 W/(m.K)
Wood	0.031 W/(m.K)
Wood / Metal	0.033 W/(m.K)
<b>For facade profiles</b>	
Wood / Metal	0.055 W/(m.K)
Metal with thermal break ( $d_i = 100\text{mm}$ )	0.074 W/(m.K)
Metal with thermal break ( $d_i = 200\text{mm}$ )	0.078 W/(m.K)
Source: ift Rosenheim directive WA-08/3 and WA-22/2 ("Warm edge" working group) / Bundesverband Flachglas (German Flat Glass Association) window data sheets	

## Simulated performance datas

	<b>Luminous Factors</b>	<b>CIE015:2018</b>
	Light Transmittance (TL)	68%
	Outdoor Reflectance (RLe)	10%
	Indoor Reflectance (RLi)	10%
	<b>Energy Factors</b>	<b>NFRC</b>
	Transmittance (TE)	29%
	UV (Tuv)	N/A
	Outdoor Reflectance (Ree)	42%
	Indoor Reflectance (Rei)	27%
	Absorptance A1 (AE1)	23%
	Absorptance A2 (AE2)	6%
	Tdw-ISO	0.53
	<b>Solar Factors</b>	<b>NFRC</b>
	SHGC	0.36
	Shading Coefficient (SC)	0.42
	<b>Thermal Transmission</b>	<b>ANSI/NFRC 100-2020</b>
	Ug Summer	0.2 Btu/(h.ft <sup>2</sup> .F)
	Ug Winter	0.2 Btu/(h.ft <sup>2</sup> .F)
	Angle relative to the vertical	0°
	<b>Acoustics</b>	<b>EN 12758</b>
	Acoustic measurement values according to EN 12758 and from notified body	
	Rw (C;Ctr)	33 (-1; -5) dB
	Ra	32 dB
	Ra,tr	28 dB
	STC (ASTM E413)	N/A
	OITC (ASTM E1332)	N/A
	<b>Color Rendering</b>	<b>CIE015:2018</b>
	Transmission (Ra)	93.6
	Reflection (Ra)	81.9
	<b>Safety Class</b>	<b>EN12600</b>
	Pendulum Body Resistance	1C2/1C2
	<b>Anti-Burglary</b>	<b>EN356</b>
	Burglar Resistance	NPD
	<b>Manufacturing Sizes</b>	
	Nominal Thickness	1.1 Inch
	Weight	6 lb/ft <sup>2</sup>
	<b>Sustainability</b>	
	Carbon footprint	
	The value is calculated regarding the composition computed based on the standard EN 15804+A2 (2019)	
	Global Warming Potential (GWP) – A1-A3	<b>EN 15804+A2 (2019)</b>
	(kg, CO <sub>2</sub> eq./m <sup>2</sup> ) European average	N/A