

4 (16 Argon 90) VIG INSIO C3 8 mm (16 Argon 90) 4 [Swisspacer Advance]

Coating: PLANITHERM ONE #2 / PLANITHERM ONE #5

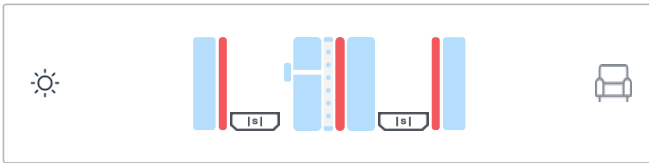
Computed by: Hans-Peter Hole

Computed on: 18/05/2026

Product catalog: Norway

Norms: EN410:2011

Glazing type



Glazing 1

- PLANICLEAR(4mm) - Annealed
- PLANITHERM ONE

Cavity1

- Argon 90% 16 mm
- Swisspacer Advance

Glazing 2

- VIG INSIO C3 8 mm

Cavity2

- Argon 90% 16 mm
- Swisspacer Advance

Glazing 3

- PLANITHERM ONE
- PLANICLEAR(4mm) - Annealed

swisspacer
SAINT-GOBAIN

Swisspacer Advance
Psi-values (Ψ_g) for triple glazing 4-12-4-12-4 ($U_g = 0.7$ W/m².K)

For windows	
Metal with thermal break	0.042 W/(m.K)
PVC	0.037 W/(m.K)
Wood	0.037 W/(m.K)
Wood / Metal	0.040 W/(m.K)
For facade profiles	
Wood / Metal	0.061 W/(m.K)
Metal with thermal break (di = 100mm)	0.075 W/(m.K)
Metal with thermal break (di = 200mm)	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

Luminous Factors	CIE015:2018
Light Transmittance (TL)	39.7%
Outdoor Reflectance (RLe)	30.3%
Indoor Reflectance (RLi)	30.3%
Energy Factors	EN410:2011
Transmittance (TE)	16.2%
UV (Tuv)	N/A
Outdoor Reflectance (Ree)	48.5%
Indoor Reflectance (Rei)	48.6%
Absorptance A1 (AE1)	13.7%
Absorptance A2 (AE2)	6.8%
Absorptance A3 (AE3)	12.9%
Absorptance A4 (AE4)	1.8%
Solar Factors	EN410:2011
Solar Factor (g)	0.297
Shading Coefficient (SC)	0.341
Thermal Transmission	EN673:2011
Angle relative to the vertical	0°
Ug	0.200 W/(m ² .K)
Acoustics	
Rw (C;Ctr)	N/A
Ra	N/A
Ra,tr	N/A
STC (ASTM E413)	N/A
OITC (ASTM E1332)	N/A
Color Rendering	CIE015:2018
Transmission (Ra)	91.8
Reflection (Ra)	97.8
Safety Class	EN12600
Pendulum Body Resistance	NPD
Anti-Burglary	EN356
Burglar Resistance	NPD
Manufacturing Sizes	
Nominal Thickness	48.0 mm
Weight	39.5 kg/m ²
Sustainability	
Carbon footprint	
<i>The value is estimated based on the composition and calculated according to the standard EN 15804+A2</i>	
Global Warming Potential (GWP) - A1-A3	EN 15804+A2
(kg, CO ₂ eq./m ²) European average	N/A