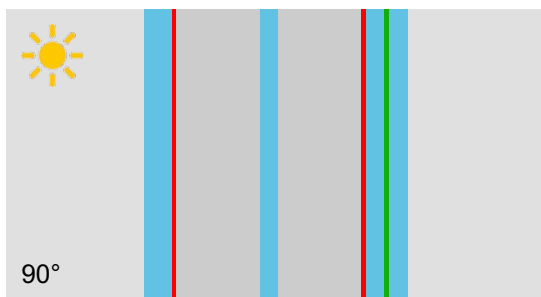


Project: TOPTHERM + COOLLITE XTR 5022

Location:

To:



Energy values EN410/EN673

Ug	Thermal Transmittance	0.5 W/m²K
g	Solar Factor	19%
atot	Total Absorption	53%

Light Values

Tv	Light Transmission	40%
pv	External Light Reflection	16%
pv'	Internal Light Reflection	18%
Ra	General Color Rendering Index	81

Technical Data

↔	Thickness	54.8 mm
⚖	Weight	46.9 Kg/m²
🔊	Noise Reduction [Rw(C;Ctr)dB]	42(-1;-5)

Configuration (External -> Internal)

6mm		gA Float clear Toughened
#2		SGG COOL-LITE XTREME 50-22 II
18mm		Argon 90%
4mm		gA Float clear
18mm		Argon 90%
#5		SGG PLANITHERM XN
4mm		gA Float clear
0.76mm		gA PVB
4mm		gA Float clear

gA-Report

 No.: gA-276116-2025
 gA version: 1.0
 Date: 28-09-2025
 Username: VAK1

Glassadvisor GmbH Srl

 Horazstraße 19,
 Via Orazio 19
 39100 Bozen, Bolzano
 (BZ)
 Italia

 info@glassadvisor.com
 www.glassadvisor.com
 P.I. 02903760219


The version 1.0 of glassAdvisor has been verified by Stazione Sperimentale del Vetro and is compliant to EN673, EN410 and its Annex B.

The manufacturers of materials used in the simulation and glassAdvisor Srl can not be held responsible for any differences between the data hereby presented and those observed in reality. The spectra of the simulated materials are subject to tolerances in accordance to the relevant product standards and are subject to change without previous notice. Accessing the soft-copy version of this report may cause a recalculation of the results according to updated algorithm and/or database, the values may differ from the hardcopy. The possibility to simulate this product configuration does not guarantee the availability of the same in the market. The values are referred to the center of the glass, do not consider the effects of the edge and are executed according to one or more of the following norms and relevant attachments: EN ISO 52022-3, EN673, EN410, DT210, EN16612, EN13363-2 and ISO15099. The noise reduction values have a tolerance of +2dB and are obtained from a database of certification measurements supplied by producers, users or available in the market. The noise reduction estimation is obtained from a certified value, through average or interpolation of two or more values, do not refer to specific commercial products, and may not be used as an official certificate from a third party laboratory. Occasionally and without prior notice, glassAdvisor GmbH reserves the right to remove or update such values thus obsoleting any previous data. Copyright © - 2024 - All rights reserved - Glassadvisor GmbH



The extensive version of this gA-Report, with more than 20 figures illustrated, may be analyzed through tablet or smartphone using this QR code, or through a desktop computer clicking on the link below.

GENERAL INFORMATION

Standard	EN410/EN673
Glass Slope [°]	90°
Thermal Transmittance	0.49 W/m²
Weight	46.9 Kg/m²

LIGHT BEHAVIOR

Light Transmittance	Tv	40%
Light Reflectance External	pv	16%
Light Reflectance Internal	pv'	18%

SOLAR BEHAVIOR

Solar Factor	g	19%
Secondary Heat Transfer Factor	qi	4%
Shading Factor	SC	22%
Solar Transmittance	Te	15%
Solar Reflectance	pe	32%
Absorption of Element 1	α_1	50%
Absorption of Element 2	α_2	1%
Absorption of Element 3	α_3	2%
Solar Absorptance	α_{tot}	53%

UV BEHAVIOR

UV Transmittance	Tuv	0%
Material damage factor (CIE)	SMPF	23%
Skin damage factor	SSPF	0%

SAFETY IN USE

EN12600 Resistance to impact Element 1	NPD
EN 356 Burglar Resistance Element 1	NPD
EN12600 Resistance to impact Element 2	NPD
EN 356 Burglar Resistance Element 2	NPD
EN12600 Resistance to impact Element 3	1B1
EN 356 Burglar Resistance Element 3	P2A

COLOUR ANALYSIS

L coordinate Transmission	69.8
a coordinate Transmission	-11.4
b coordinate Transmission	2.8
RGB Transmission	150,176,165
L coordinate Reflection	47.5
a coordinate Reflection	-5.6
b coordinate Reflection	-9.1
RGB Reflection	93,116,127

The color analysis is illustrative only and may slightly differ from in-situ characteristics. The boundary conditions such as wall color behind the façade, surrounding buildings and sky condition may lead to a different perception of colour in transmission and/or reflection. These colour parameters should not be used in prescription of glazing types for buildings.