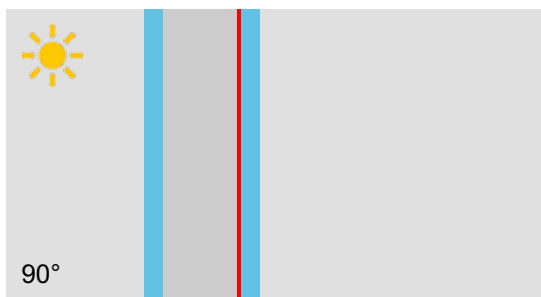


Project: TOPTHERM ULTRA 4_16_E4

Location:

To:



Energy values EN410/EN673

U _g	Thermal Transmittance	1.0 W/m ² K
g	Solar Factor	54%
α _{tot}	Total Absorption	18%

Light Values

T _v	Light Transmission	76%
p _v	External Light Reflection	15%
p _v '	Internal Light Reflection	17%
R _a	General Color Rendering Index	97

Technical Data

↔	Thickness	24 mm
⚖	Weight	20 Kg/m ²
🔊	Noise Reduction [R _w (C;Ctr)dB]	31(-1;-4)

Configuration (External -> Internal)



gA-Report

 No.: gA-276081-2025
 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	1.04 W/m²
Weight	20 Kg/m²

LIGHT BEHAVIOR

Light Transmittance	Tv	76%
Light Reflectance External	ρ_v	15%
Light Reflectance Internal	ρ_v'	17%

SOLAR BEHAVIOR

Solar Factor	g	54%
Secondary Heat Transfer Factor	qi	7%
Shading Factor	SC	62%
Solar Transmittance	Te	47%
Solar Reflectance	ρ_e	35%
Absorption of Element 1	α_1	10%
Absorption of Element 2	α_2	8%
Solar Absorptance	α_{tot}	18%

UV BEHAVIOR

UV Transmittance	Tuv	24%
Material damage factor (CIE)	SMPF	56%
Skin damage factor	SSPF	7%

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

COLOUR ANALYSIS

L coordinate Transmission	89.9
a coordinate Transmission	-3
b coordinate Transmission	3.2
RGB Transmission	223,228,220
L coordinate Reflection	46.3
a coordinate Reflection	1.7
b coordinate Reflection	-8
RGB Reflection	106,109,123

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.