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glassAdvisor

gA-Report

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

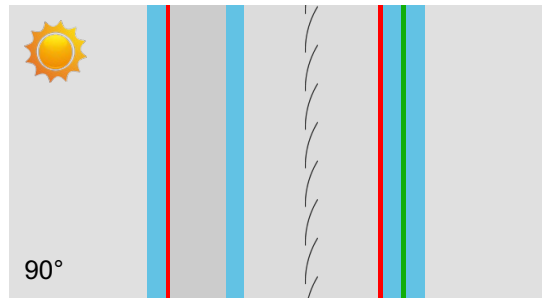
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Projects: ??????????

Location: Harstad, St. Olavs gate, Harstad,
Norvegia

To: Fasadeentreprenør

Simulert persienneløsning



Energy values User conditions

Fc	Shading Factor	0.3
gtot	Solar Factor	10%
atot	Total Absorption	39%

Light Values

Tv	Light Transmission	4%
pv	External Light Reflection	56%
pv'	Internal Light Reflection	56%

Technical Data

↔	Thickness	57.8 mm
⚖	Weight	41.9 Kg/m ²
🔊	Noise Reduction [Rw(C;Ctr)dB]	37(-2;-8)

Configuration (External -> Internal)

4mm		AGC Planibel Clearlite
#2		AGC Energy 72/38
12mm		Argon 90%
4mm		AGC Planibel Clearlite
29mm		Argon 90%
75°		SL 29 V95
#5		AGC iplus 1.1
4mm		AGC Planibel Clearlite
0.76mm		gA PVB
4mm		AGC Planibel Clearlite



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

External Temperature	24 °C
Internal Temperature	20 °C
Convection coefficient to the outside	8 W/m²K
Convection coefficient to the inside	2.5 W/m²K
Irradiance	796 W/m²
Standard	User Condition
Glass Slope	90°
Weight	41.9 Kg/m²

LIGHT BEHAVIOR

Light Transmittance	Tv	4%
Light Reflectance External	pv	56%
Light Reflectance Internal	pv'	56%

SOLAR BEHAVIOR

Solar Factor	gtot	10%
Secondary Heat Transfer Factor	qi	8%
Solar Transmittance	Te	2%
Solar Reflectance	pe	59%
Absorption of Element 1	α1	27%
Absorption of Element 2	α2	2%
Absorption of Element 3	α3	9%
Absorption of Element 4	α4	0%
Solar Absorptance	αtot	39%

UV BEHAVIOR

UV Transmittance	Tuv	0%
Material (CIE) damage factor	SMPF	2%

TEMPERATURES

Temperature of Element 1	42.3 C°
Temperature of Element 2	58.2 C°
Temperature of Element 3	61.4 C°
Temperature of Element 4	29.3 C°

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 4	1B1
EN 356 Burglar Resistance Element 4	P2A

COLOUR ANALYSIS

L coordinate Transmission	25.1
a coordinate Transmission	-4.1
b coordinate Transmission	3.5
RGB Transmission	55,61,54
L coordinate Reflection	79.6
a coordinate Reflection	-7.2
b coordinate Reflection	1.2
RGB Reflection	184,201,195

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.