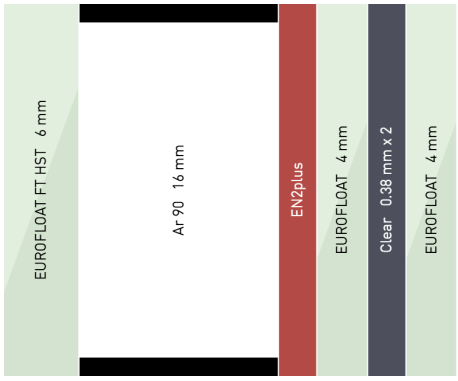
Contact: Lars Andersen, Interglas ApS
Kornmarksvej 10
2605 Brøndby
lars@interglas.dk

Tuesday, November 5, 2024

Configuration: **Roof glass 10 degree**

Project: **Interglas**



Location: **Denmark**
Surface: **1 m²**

Tilt angle: **10°**

EN2plus #3 – 6 EF-FT-HST | 16 Ar 90 | 44.2 EF

EUROFLOAT FT HST 6 mm, Ar 90 16 mm, EN2plus, EUROFLOAT 4 mm, Clear 0.38 mm x 2, EUROFLOAT 4 mm

Optical properties	**EN 410:2011**
Light transmittance (τ_v)	80 %
External light reflectance ($\rho_{v,e}$)	12 %
Internal light reflectance ($\rho_{v,i}$)	11 %
General colour-rendering index (R_a)	96

Energy properties	**EN 410:2011**
Total solar energy transmittance (solar factor) (g)∠	61 %
Shading coefficient (solar factor g / 0.87) (SC)∠	71 %
Secondary internal heat transfer factor (q_i)∠	12 %
Solar direct transmittance (τ_e)	50 %
External solar direct reflectance ($\rho_{e,e}$)	23 %
Internal solar direct reflectance ($\rho_{e,i}$)	19 %
Solar direct absorptance (α_e)	27 %
Solar direct absorptance pane 1 ($\alpha_{e,1}$)	13 %
Solar direct absorptance pane 2 ($\alpha_{e,2}$)	14 %
UV-Transmittance (τ_{UV})	0 %
Selectivity (S)∠	1.3

Thermal properties	**EN 673:2011**
Thermal transmittance (U_g)∠	1.6 W/m²K

Acoustic properties	**EN 12758:2019**
Weighted sound reduction index ($R_w(C;C_{tr})$)	38 (-2; -5) dB

Mechanical properties	
Resistance against manual attack (EN356)	NPD
Bullet resistance (EN1063)	NPD

Fire resistance	**EN13501-2:2016**
Fire resistance class (EN13501-2)	NPD

Thickness and weight	
Thickness (mm)	30.76 mm
Weight (kg/m²)	36 kg/m²

Colours

External reflection | Transmission

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Configuration: **Roof glass 10 degree**

Project: **Interglas**

Temperatures	**EN ISO 52022-3:2017**
Pane 1 (T_1)∠	30 °C
Pane 2 (T_2)∠	33 °C
Climate: Summer	
Solar radiation	500 W/m^2
Outside	
Temperature	25 °C
Heat transfer coefficient	8 W/m^{2}K
Inside	
Temperature	25 °C
Heat transfer coefficient	3 W/m^{2}K

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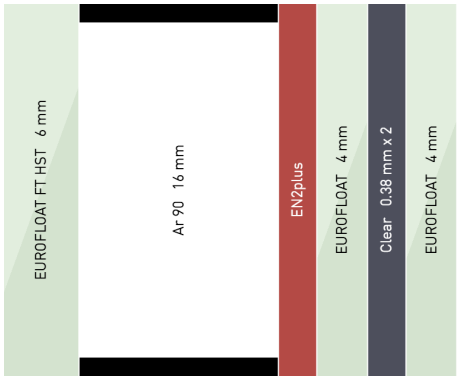
Tuesday, November 5, 2024

Project: **Interglas Roof glass**

Configuration: **Roof glass vertical position**



Location: **Denmark**
Surface: **1 m²**

Tilt angle: **90°**

EN2plus #3 – 6 EF-FT-HST | 16 Ar 90 | 44.2 EF

EUROFLOAT FT HST 6 mm, Ar 90 16 mm, EN2plus, EUROFLOAT 4 mm, Clear 0.38 mm x 2, EUROFLOAT 4 mm

Optical properties	**EN 410:2011**
Light transmittance (τ_v)	80 %
External light reflectance ($\rho_{v,e}$)	12 %
Internal light reflectance ($\rho_{v,i}$)	11 %
General colour-rendering index (R_a)	96

Energy properties	**EN 410:2011**
Total solar energy transmittance (solar factor) (g)∠	62 %
Shading coefficient (solar factor g / 0.87) (SC)∠	71 %
Secondary internal heat transfer factor (q_i)∠	12 %
Solar direct transmittance (τ_e)	50 %
External solar direct reflectance ($\rho_{e,e}$)	23 %
Internal solar direct reflectance ($\rho_{e,i}$)	19 %
Solar direct absorptance (α_e)	27 %
Solar direct absorptance pane 1 ($\alpha_{e,1}$)	13 %
Solar direct absorptance pane 2 ($\alpha_{e,2}$)	14 %
UV-Transmittance (τ_{UV})	0 %
Selectivity (S)∠	1.3

Thermal properties	**EN 673:2011**
Thermal transmittance (U_g)∠	1.1 W/m²K

Acoustic properties	**EN 12758:2019**
Weighted sound reduction index ($R_w(C;C_{tr})$)	38 (-2; -5) dB

Mechanical properties	
Resistance against manual attack (EN356)	NPD
Bullet resistance (EN1063)	NPD

Fire resistance	**EN13501-2:2016**
Fire resistance class (EN13501-2)	NPD

Thickness and weight	
Thickness (mm)	30.76 mm
Weight (kg/m²)	36 kg/m²

Colours

External reflection | Transmission

Calculations are performed according to the European standards EN 410:2011 and EN 673:2011. The values given are only indicative and subject to change without notice. They do not represent any guarantee for the performance of the glazing.
The responsibility for the choice of a configuration, the use of characteristics and compliance with local, regional, national or project-specific requirements lies solely with the user. It is recommended to have feasibility and availability of a configuration checked. To assess the real, physiological colour impression, sampling is recommended in any case.

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Project: **Interglas Roof glass**

Configuration: **Roof glass vertical position**

Temperatures	**EN ISO 52022-3:2017**
Pane 1 (T_1)∠	30 °C
Pane 2 (T_2)∠	33 °C
Climate: Summer	
Solar radiation	500 W/m^2
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Temperature	25 °C
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Temperature	25 °C
Heat transfer coefficient	3 W/m^{2}K