

## Glass Configurator 2 - Result

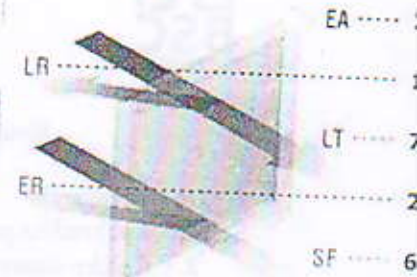
4 mm Planibel Clear - 15 mm Argon 90% - 4 mm Planibel Top N+ pos.3

### Thermal properties (EN 673)

Ug-Value (W/(m <sup>2</sup> .K))	1.1
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### Light properties (EN 410)

Light Transmission ( $\tau_v$ )	78
Light Reflection ( $\rho_v$ )	13
Internal light reflection ( $\rho_{vi}$ )	14
Colour Rendering - RD65 ( $R_a$ )	98



### Energy Properties

	EN 410	ISO 9050
Direct Energy Transmission ( $\tau_e$ )	52	49
Energy Reflection ( $\rho_e$ )	28	30
Total Energy absorption ( $\alpha_e$ )	20	21
Solar abs. Glass 1 ( $\alpha_e$ (1) )	11	12
Solar abs. Glass 2 ( $\alpha_e$ (2) )	9	9
Solar factor (g)	61	57
Shading coefficient (SC)	0.7	0.66
UV Transmission (UV)	21	
Schattenfaktor (DE) (b-Faktor)		71.0

### Other properties

Resistance to fire (EN 13501-2)	NPD
Reaction to fire (EN 13501-1)	NPD
Bullet Resistance (EN 1063)	NPD
Burglar Resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD / NPD
Direct airborne sound insulation (ESTIMATED - $R_w$ (C;Ctr): dB)	30 (-1, -4)

### Personal Notes



### Remarks

The data are calculated using spectral measurements that are conform to standards EN 410 (1998), ISO 9050 (1990) and WIS/WINDAT. The tolerance of published data with respect to photometric properties is +/- 3 points. The Ug-value (formerly k-value) is calculated according to standard EN 673. The emissivity measurement complies with standards EN 673 (Annex A) and EN 12898. This document is no evaluation of the risk of glass breakage due to thermal stress. For tempered glass: the risk of



AGC Glass Europe  
Chaussée de La Hulpe 166  
1170 Brussels  
Belgium  
09

**AGC**

**Certificate number: N/A**

**Notified Body: N/A**

**EN 1279-5**

Insulating glass units intended to be used in buildings and construction work

**Thermobel 4 mm Planibel Clear - 15 mm Argon 90% - 4 mm Planibel Top N+ pos.3**

1. Resistance to fire (EN 13501-2)	NPD
2. Reaction to fire (EN 13501-1)	NPD
3. External fire performance	NPD
4. Bullet Resistance (EN 1063)	NPD
5. Explosion resistance (EN 13541)	NPD
6. Burglar Resistance (EN 356)	NPD
7. Pendulum body impact resistance (EN 12600)	NPD / NPD
8. Resistance against sudden temperature changes and temperature differentials	NPD / NPD
9. Wind, snow, permanent and imposed load resistance	NPD
10. Direct airborne sound insulation (EN 12758) - Rw (C;Ctr): dB	NPD
11. Thermal properties (EN 673): Ug-Value (W/(m <sup>2</sup> .K))	1.1
12. Light Transmission / Light Reflection (EN 410)	78/13
13. Solar Energy Transmission / Solar energy reflection / Solar factor (EN 410)	52/28/61

NPD = No Performance Determined



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# AGC YourGlass

GLASS UNLIMITED

## Glass Configurator 2 - Result

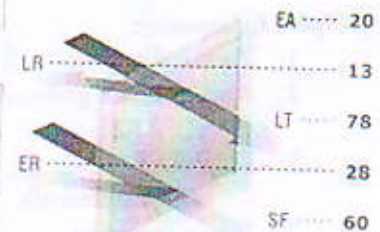
4 mm Planibel Clear - 12 mm Argon 90% - 4 mm Planibel Top N+ pos.3

### Thermal properties (EN 673)

Ug-Value (W/(m <sup>2</sup> .K))	1.3
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### Light properties (EN 410)

Light Transmission ( $\tau_v$ )	78
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Colour Rendering - RD65 ( $R_a$ )	98



### Energy Properties

	EN 410	ISO 9050
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Schattenfaktor (DE) (b-Faktor)		71.0

### Other properties

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Bullet Resistance (EN 1063)	NPD
Burglar Resistance (EN 356)	NPD
Pendulum body impact resistance (EN 12600)	NPD / NPD
Direct airborne sound insulation (EN 12758 - $R_w$ (C;Ctr): dB)	29 (-1, -3)

### Personal Notes

Za potrebe IZOPAN INZENJERINGA



### Remarks

The data are calculated using spectral measurements that are conform to standards EN 410 (1998), ISO 9050 (1990) and WIS/WINDAT. The tolerance of published data with respect to photometric properties is +/- 3 points. The Ug-value (formerly k-value) is calculated according to standard EN 673. The emissivity measurement complies with standards EN 673 (Annex A) and EN 12898. This document is no evaluation of the risk of glass breakage due to thermal stress. For tempered glass: the risk of spontaneous breakage due to Nickel-Sulfide is not covered by AGC Flat Glass Europe. The Heat Soak Test is



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Chaussée de La Hulpe 166  
1170 Brussels  
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Certificate number: N/A

Notified Body: N/A

EN 1279-5

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6. Burglar Resistance (EN 356)	NPD
7. Pendulum body impact resistance (EN 12600)	NPD / NPD
8. Resistance against sudden temperature changes and temperature differentials	NPD / NPD
9. Wind, snow, permanent and imposed load resistance	NPD
10. Direct airborne sound insulation (EN 12758) - $R_w$ (C;Ctr): dB	29 (-1, -3)
11. Thermal properties (EN 673): $U_g$ -Value ( $W/(m^2.K)$ )	1.3
12. Light Transmission / Light Reflection (EN 410)	78/13
13. Solar Energy Transmission / Solar energy reflection / Solar factor (EN 410)	52/28/60

NPD = No Performance Determined



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