

## Determination of SILVERSTAR glazing characteristics

Version information:  
 Program 3.10  
 Database 3.52  
 Output format 3.21

The following characteristics are calculated with the program SILVERSTAR glaCE.

Project:

Company: Interglas

Employee: LA

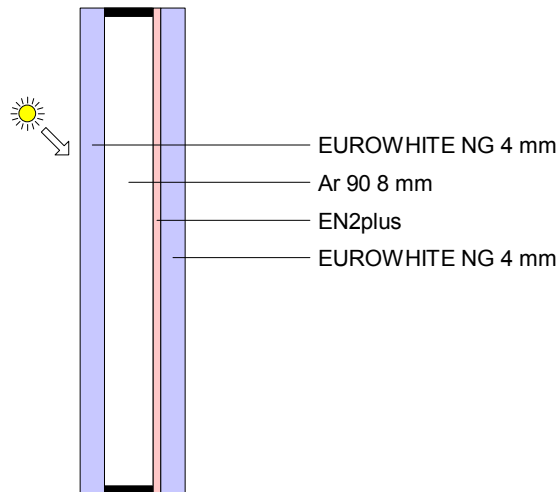
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.6752 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.257 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	5.612 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2380		
Shading coefficient (solar factor g / 0.87):	77.307 %		
Shading coefficient (solar factor g / 0.8):	84.071 %		

The values given are only indicative and subject to change without notice.  
 They do not represent any guarantee for the performance of the glazing  
 Calculations are performed according to the European standards EN 410:2011 and EN 673:2011.

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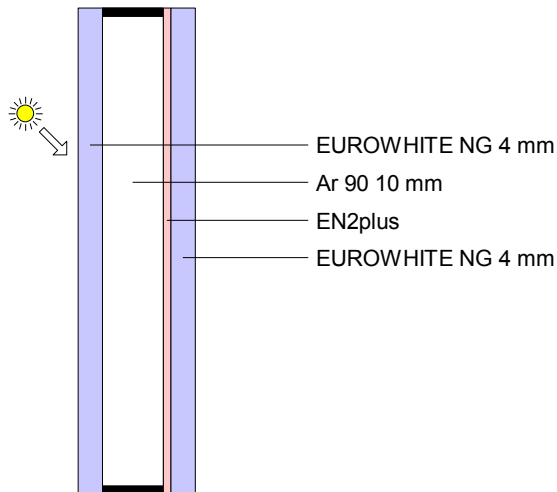
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90°



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.4451 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.451 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	5.806 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2345		
Shading coefficient (solar factor g / 0.87):	77.529 %		
Shading coefficient (solar factor g / 0.8):	84.313 %		

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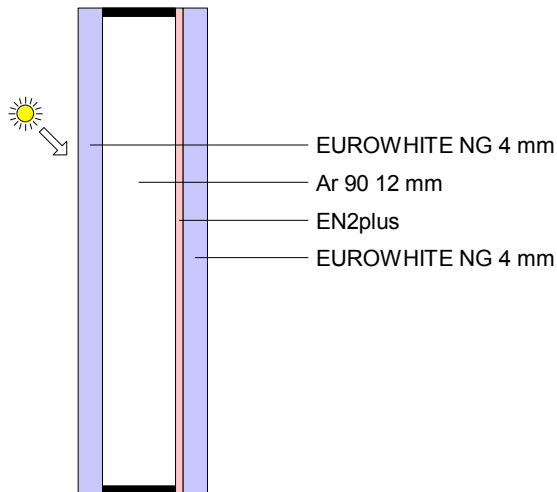
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.2761 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.593 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	5.948 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2319		
Shading coefficient (solar factor g / 0.87):	77.693 %		
Shading coefficient (solar factor g / 0.8):	84.491 %		

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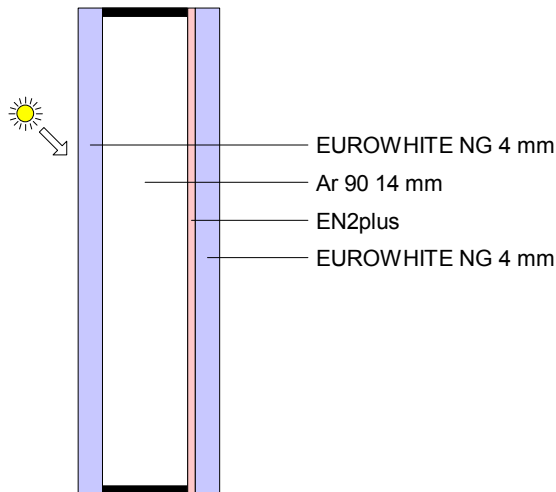
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1468 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.702 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.057 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2299		
Shading coefficient (solar factor g / 0.87):	77.818 %		
Shading coefficient (solar factor g / 0.8):	84.627 %		

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Employee: LA

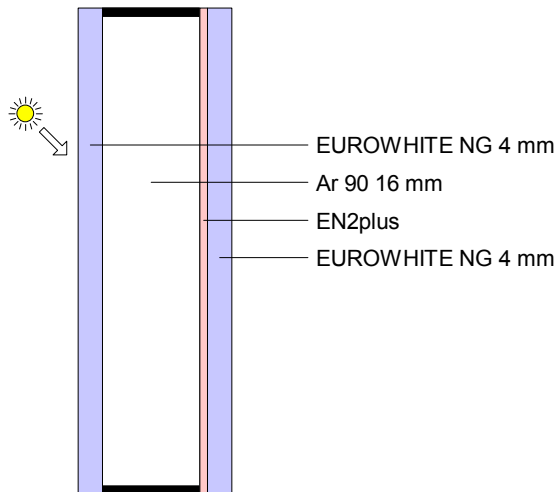
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1198 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.725 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.080 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2295		
Shading coefficient (solar factor g / 0.87):	77.844 %		
Shading coefficient (solar factor g / 0.8):	84.656 %		

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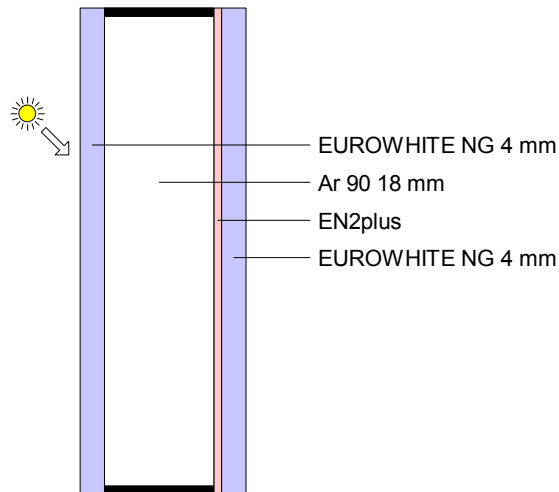
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1327 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.714 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.069 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2297		
Shading coefficient (solar factor g / 0.87):	77.832 %		
Shading coefficient (solar factor g / 0.8):	84.642 %		

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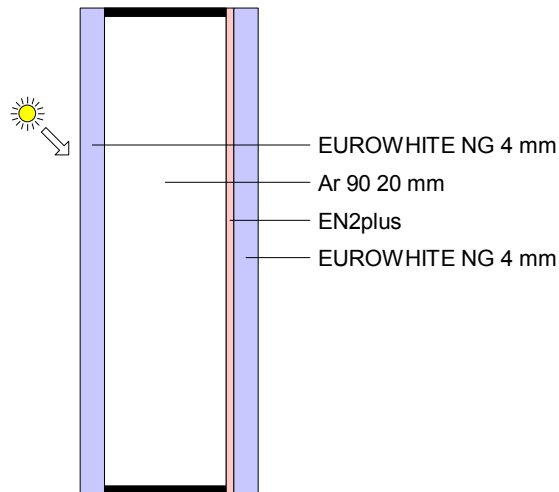
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1444 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.704 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.059 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2299		
Shading coefficient (solar factor g / 0.87):	77.821 %		
Shading coefficient (solar factor g / 0.8):	84.630 %		

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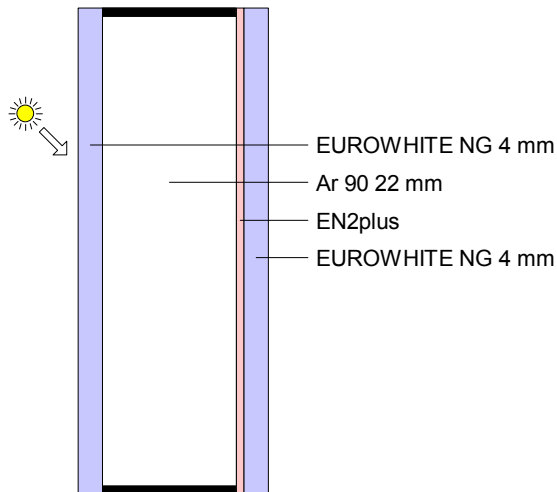
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1551 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.695 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.050 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2300		
Shading coefficient (solar factor g / 0.87):	77.810 %		
Shading coefficient (solar factor g / 0.8):	84.619 %		

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Employee: LA

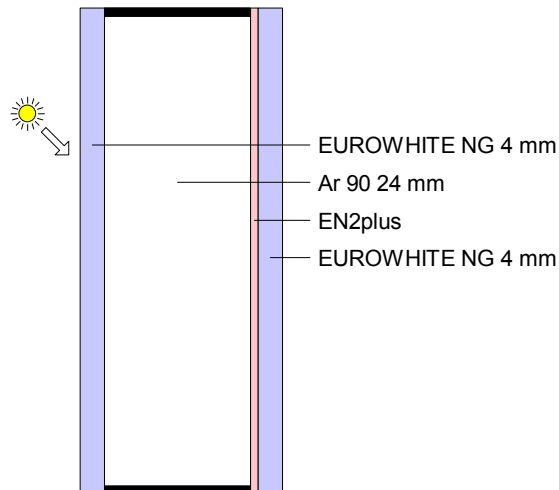
Customer:

Product: 4EWNG4EWNGSE2P

Date: 14.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

### Calculated glazing characteristics:

Thermal transmittance Ug:	1.1649 W/m <sup>2</sup> K	EN 673:2011	
Total solar energy transmittance (solar factor g):	67.687 %	EN 410:2011	
Light transmittance:	83.266 %		
Light reflectance (outside):	12.003 %		
Light reflectance (inside):	11.635 %		
Light absorptance:	4.730 %		
Solar direct transmittance:	61.645 %		
Solar direct reflectance (outside):	29.590 %		
Solar direct absorptance:	8.765 %		
Secondary internal heat transfer factor:	6.042 %		
UV-Transmittance:	35.033 %		
UV-Reflectance:	22.454 %		
UV-Absorptance:	42.512 %		
General colour rendering index (transmission):	99.411		
Selectivity (light transmittance / solar factor g):	1.2302		
Shading coefficient (solar factor g / 0.87):	77.801 %		
Shading coefficient (solar factor g / 0.8):	84.608 %		

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