

Determination of SILVERSTAR glazing characteristics

Version information:
 Program 3.10
 Database 3.54
 Output format 3.21

The following characteristics are calculated with the program SILVERSTAR glaCE.

Project:

Company: Interglas

Employee: LA

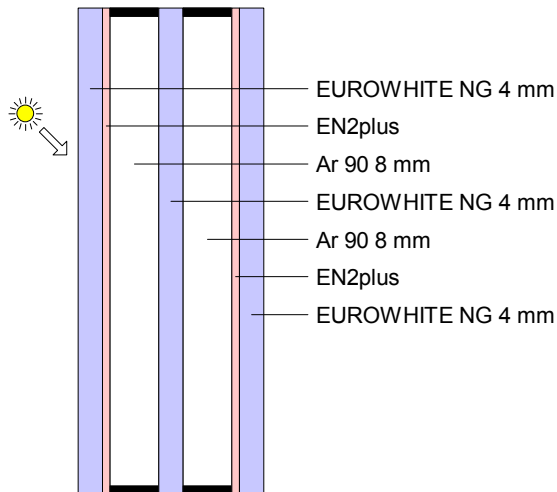
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.9804 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.515 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.681 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3700		
Shading coefficient (solar factor g / 0.87):	63.810 %		
Shading coefficient (solar factor g / 0.8):	69.393 %		

The values given are only indicative and subject to change without notice.
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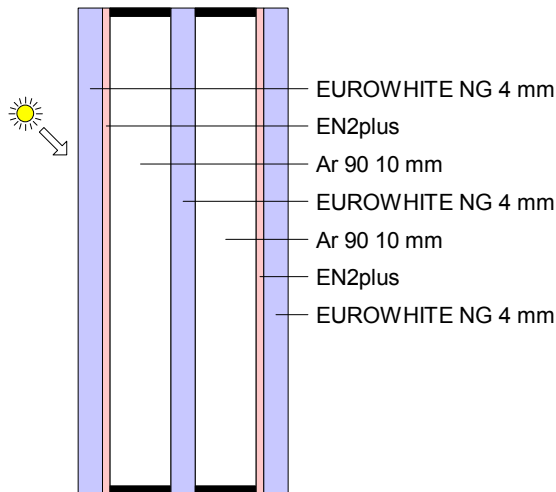
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.8264 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.554 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.721 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3690		
Shading coefficient (solar factor g / 0.87):	63.855 %		
Shading coefficient (solar factor g / 0.8):	69.443 %		

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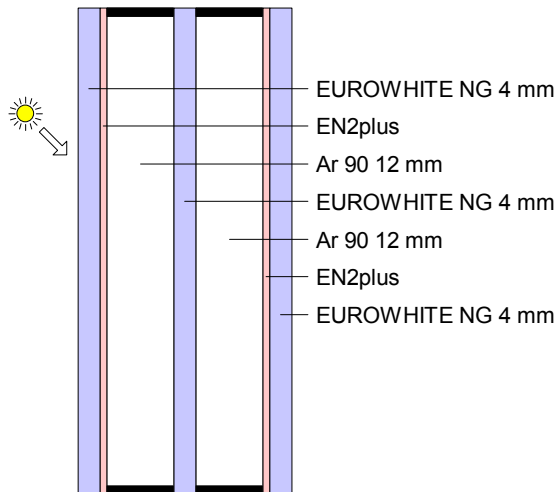
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.7177 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.582 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.748 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3684		
Shading coefficient (solar factor g / 0.87):	63.887 %		
Shading coefficient (solar factor g / 0.8):	69.478 %		

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Employee: LA

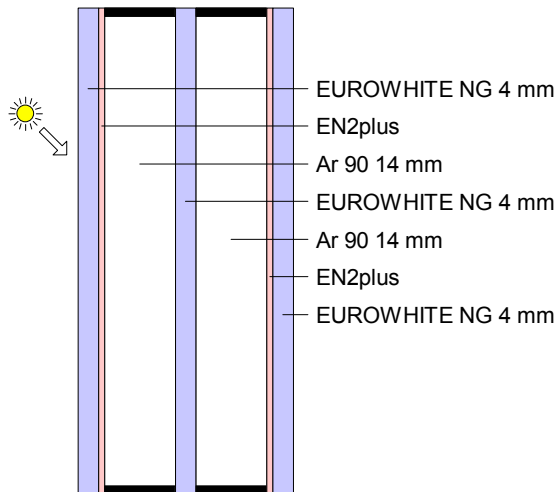
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.6369 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.603 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.769 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3678		
Shading coefficient (solar factor g / 0.87):	63.911 %		
Shading coefficient (solar factor g / 0.8):	69.503 %		

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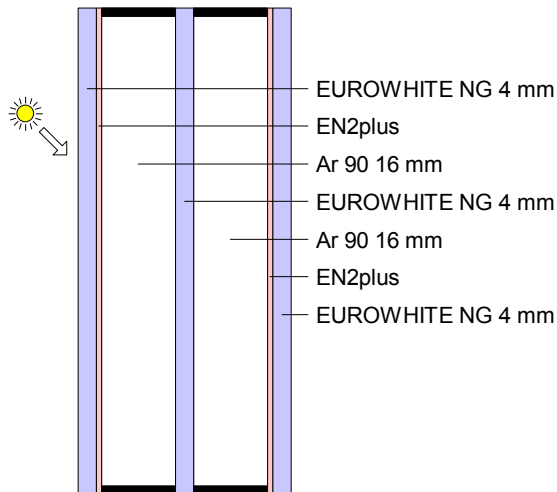
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.5745 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.619 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.785 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3675		
Shading coefficient (solar factor g / 0.87):	63.930 %		
Shading coefficient (solar factor g / 0.8):	69.523 %		

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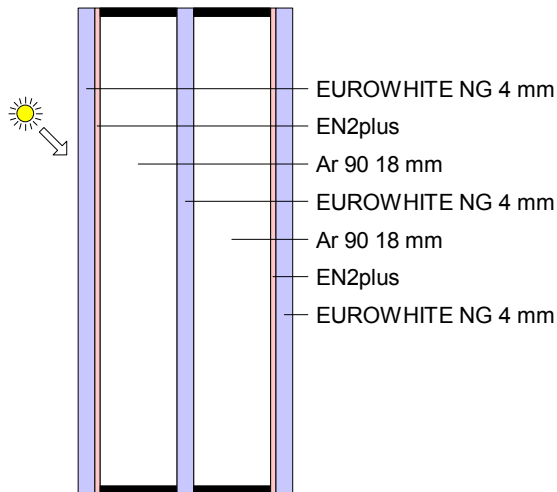
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.5249 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.631 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.798 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3671		
Shading coefficient (solar factor g / 0.87):	63.944 %		
Shading coefficient (solar factor g / 0.8):	69.539 %		

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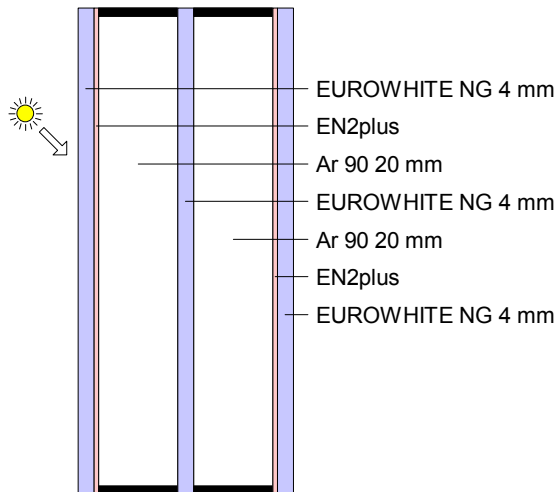
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.5188 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.633 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.799 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3671		
Shading coefficient (solar factor g / 0.87):	63.946 %		
Shading coefficient (solar factor g / 0.8):	69.541 %		

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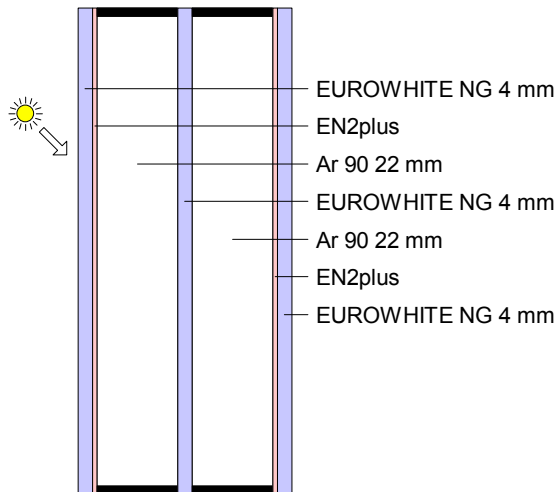
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 27.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.5242 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.632 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.798 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3671		
Shading coefficient (solar factor g / 0.87):	63.944 %		
Shading coefficient (solar factor g / 0.8):	69.540 %		

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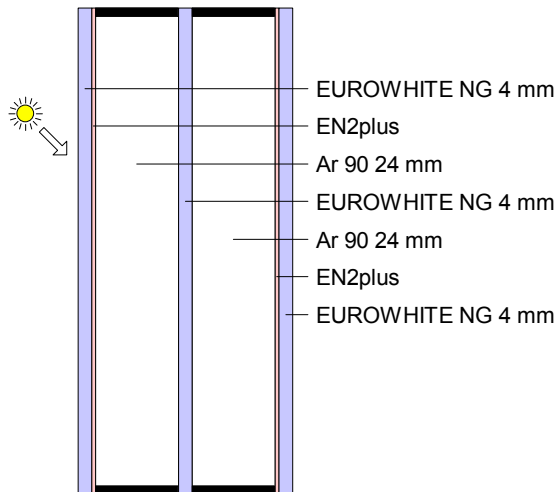
Customer:

Product: 4EWNGEN2P4EWNG4EWNGEN2P

Date: 29.10.2020


Glazing:

Window tilt angle: 90 °



Comments:

Calculated glazing characteristics:

Thermal transmittance Ug:	0.5291 W/m ² K	EN 673:2011	
Total solar energy transmittance (solar factor g):	55.630 %	EN 410:2011	
Light transmittance:	76.056 %		
Light reflectance (outside):	14.737 %		
Light reflectance (inside):	14.737 %		
Light absorptance:	9.207 %		
Solar direct transmittance:	50.834 %		
Solar direct reflectance (outside):	34.624 %		
Solar direct absorptance:	14.542 %		
Secondary internal heat transfer factor:	4.797 %		
UV-Transmittance:	18.687 %		
UV-Reflectance:	29.019 %		
UV-Absorptance:	52.294 %		
General colour rendering index (transmission):	98.942		
Selectivity (light transmittance / solar factor g):	1.3672		
Shading coefficient (solar factor g / 0.87):	63.943 %		
Shading coefficient (solar factor g / 0.8):	69.538 %		

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