

# 4 (16 Argon 90) 4

Coating: PLANITHERM XN #3

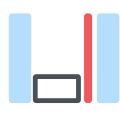
Computed by: Darius Vaitiekus

Computed on: 04/08/2025

Product catalog: Lithuania

Norms: EN410:2011

## Glazing type




**Glazing 1**

- PLANICLEAR (4mm) - Annealed

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**Cavity 1**

- Argon 90% 16 mm

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**Glazing 2**

- PLANITHERM XN
- PLANICLEAR (4mm) - Annealed

## Illustrations Non-contractual renders



## Simulated performance datas

|                                                                                     |                                                                                                            |                           |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------|
|    | <b>Luminous Factors</b>                                                                                    | <b>CIE015:2018</b>        |
|                                                                                     | Light Transmittance (TL)                                                                                   | 82%                       |
|                                                                                     | Outdoor Reflectance (RLe)                                                                                  | 11%                       |
|                                                                                     | Indoor Reflectance (RLi)                                                                                   | 12%                       |
|    | <b>Energy Factors</b>                                                                                      | <b>EN410:2011</b>         |
|                                                                                     | Transmittance (TE)                                                                                         | 58%                       |
|                                                                                     | UV (Tuv)                                                                                                   | N/A                       |
|                                                                                     | Outdoor Reflectance (Ree)                                                                                  | 27%                       |
|                                                                                     | Indoor Reflectance (Rei)                                                                                   | 25%                       |
|                                                                                     | Absorptance A1 (AE1)                                                                                       | 7%                        |
|                                                                                     | Absorptance A2 (AE2)                                                                                       | 8%                        |
|    | <b>Solar Factors</b>                                                                                       | <b>EN410:2011</b>         |
|                                                                                     | Solar Factor (g)                                                                                           | 0.65                      |
|                                                                                     | Shading Coefficient (SC)                                                                                   | 0.75                      |
|    | <b>Thermal Transmission</b>                                                                                | <b>EN673:2011</b>         |
|                                                                                     | Angle relative to the vertical                                                                             | 0°                        |
|                                                                                     | Ug                                                                                                         | 1.1 W/(m2.K)              |
|    | <b>Acoustics</b>                                                                                           | <b>EN 12758</b>           |
|                                                                                     | <i>Acoustic measurement values according to EN 12758 and from notified body</i>                            |                           |
|                                                                                     | Rw (C;Ctr)                                                                                                 | 31 (-1; -4) dB            |
|                                                                                     | Ra                                                                                                         | 30 dB                     |
|                                                                                     | Ra,tr                                                                                                      | 27 dB                     |
|                                                                                     | STC (ASTM E413)                                                                                            | N/A                       |
|                                                                                     | OITC (ASTM E1332)                                                                                          | N/A                       |
|  | <b>Color Rendering</b>                                                                                     | <b>CIE015:2018</b>        |
|                                                                                     | Transmission (Ra)                                                                                          | 97.7                      |
|                                                                                     | Reflection (Ra)                                                                                            | 96.5                      |
|  | <b>Safety Class</b>                                                                                        | <b>EN12600</b>            |
|                                                                                     | Pendulum Body Resistance                                                                                   | NPD                       |
|  | <b>Anti-Burglary</b>                                                                                       | <b>EN356</b>              |
|                                                                                     | Burglar Resistance                                                                                         | NPD                       |
|  | <b>Manufacturing Sizes</b>                                                                                 |                           |
|                                                                                     | Nominal Thickness                                                                                          | 24.0 mm                   |
|                                                                                     | Weight                                                                                                     | 20 kg/m²                  |
|  | <b>Sustainability</b>                                                                                      |                           |
|                                                                                     | Carbon footprint                                                                                           |                           |
|                                                                                     | <i>The value is calculated regarding the composition computed based on the standard EN 15804+A2 (2019)</i> |                           |
|                                                                                     | Global Warming Potential (GWP) – A1-A3                                                                     | <b>EN 15804+A2 (2019)</b> |
|                                                                                     | (kg, CO <sub>2</sub> eq./m²) European average                                                              | 33                        |