CE

Harmonised Product Standard

## EN 14351-1:2006 +A2:2016

# Declaration of Performance

Type of construction product:
Facade windows and Casement doors

**Rationel AURAPLUS IO**
**triple-glazed**

DOP no.:

**RV-IO-20241001**

The performance of the Facade windows and Casement doors in the product line Rationel AURAPLUS IO; triple-glazed are in conformity with the declared in the following pages.

This Declaration of Performance is issued under the sole responsibility of DOVISTA A/S.
System of assessment and verification of constancy of performance of the construction product:
(AVCP) System 3
Intended use:
For domestic and commercial buildings

Manufacturer:

## DOVISTA A/S

Bygholm Søpark 21D, 8700 Horsens, Denmark

Notified Bodies (Test institute):
NB 1235 - DANISH TECHNOLOGICAL INSTITUTE
NB 0402 - RISE RESEARCH INSTITUTES OF SWEDEN

Windows and Doors containing Electrical and Electronic Equipment are in conformity with RoHS (Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) as amended by Directive 2015/863/EU.

Date:

02 oktober 2024

Horsens

Signed on behalf of DOVISTA A/S

Allan Lindhard Jørgensen
CEO, DOVISTA A/S

# Declaration of Performance Rationel AURAPLUS IO; triple-glazed

| Opening function | 4.2 Resistance to windload | 4.5 Water tightness | 4.6 Dangerous substances | 4.8 Load bearing capacity of safety devices | 4.11 Acoustic performance | 4.12 * Thermal transmittance | 4.13 * Radiation properties | 4.14 Air permeability |
|---|---|---|---|---|---|---|---|---|
| **BHI Bottomhung window, inward opening** | | | | | | | | |
| **Declared value** | Class C3 (1200 Pa) | Class E1200 (1200 Pa) | None | N/A | ** | 0,82 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | NB 0402 | NB 1235 | - | NB 1235 |
| **Test report** | DTI/657351-V2/2015-Okt. | DTI/657351-V2/2015-Okt. | - | - | O100282-1254305 D | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/657351-V2/2015-Okt. |
| **Tested size (mm), WxH** | 1230 x 1480 | 1230 x 1480 | - | - | 1230 x 1480 | 1230 x 1480 | - | 1230 x 1480 |
| **FL Fixed light** | | | | | | | | |
| **Declared value** | Class C3 (1200 Pa) | Class E1200 (1200 Pa) | None | N/A | NPD | 0,74 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | - | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | - | NB 1235 | - | NB 1235 |
| **Test report** | DTI/246594/2024-May. | DTI/246594/2024-May. | - | - | - | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/246594/2024-May. |
| **Tested size (mm), WxH** | 2000 x 2200 | 2000 x 2200 | - | - | - | 1230 x 1480 | - | 2000 x 2200 |
| **SHI Sidehung window, inward opening** | | | | | | | | |
| **Declared value** | Class C3 (1200 Pa) | Class E1200 (1200 Pa) | None | N/A | ** | 0,82 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | NB 0402 | NB 1235 | - | NB 1235 |
| **Test report** | DTI/657351-V2/2015-Okt. | DTI/657351-V2/2015-Okt. | - | - | O100282-1254305 D | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/657351-V2/2015-Okt. |
| **Tested size (mm), WxH** | 1230 x 1480 | 1230 x 1480 | - | - | 1230 x 1480 | 1230 x 1480 | - | 1230 x 1480 |

*Thermal transmission coefficient (4.12) and radiation properties (4.13) of a specific product is provided in quotations and order confirmations in accordance with EN 14351-1:2006 +A1:2010.

** Declared values see sheet ”4.11, Acoustic performance”

# Declaration of Performance Rationel AURAPLUS IO; triple-glazed

| Opening function | 4.2 Resistance to windload | 4.5 Water tightness | 4.6 Dangerous substances | 4.8 Load bearing capacity of safety devices | 4.11 Acoustic performance | 4.12 * Thermal transmittance | 4.13 * Radiation properties | 4.14 Air permeability |
|---|---|---|---|---|---|---|---|---|
| **TITU** Tilt and turn window, inward opening | | | | | | | | |
| **Declared value** | Class C3 (1200 Pa) | Class E1200 (1200 Pa) | None | N/A | ** | 0,82 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | NB 0402 | NB 1235 | - | NB 1235 |
| **Test report** | DTI/657351-V2/2015-Okt. | DTI/657351-V2/2015-Okt. | - | - | O100282-1254305 D | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/657351-V2/2015-Okt. |
| **Tested size (mm), WxH** | 1230 x 1480 | 1230 x 1480 | - | - | 1230 x 1480 | 1230 x 1480 | - | 1230 x 1480 |
| **TITU-2** Tilt and turn window, inward opening, 2-leaf | | | | | | | | |
| **Declared value** | Class B3 (1200 Pa) | Class E900 (900 Pa) | None | N/A | ** | 0,82 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | NB 0402 | NB 1235 | - | NB 1235 |
| **Test report** | DTI/239064/2024-Feb. | DTI/239064/2024-Feb. | - | - | O100282-1254305 D | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/239064/2024-Feb. |
| **Tested size (mm), WxH** | 1600 x 2500 | 1600 x 2500 | - | - | 1230 x 1480 | 2500 x 1480 | - | 1600 x 2500 |
| **TITUD** Tilt and turn casement door, inward opening, 1-leaf | | | | | | | | |
| **Declared value** | Class C3 (1200 Pa) | Class E900 (900 Pa) | None | N/A | NPD | 0,79 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | - | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | - | NB 1235 | - | NB 1235 |
| **Test report** | DTI/657351-D/2015-Aug. | DTI/657351-D/2015-Aug. | - | - | - | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/657351-D/2015-Aug. |
| **Tested size (mm), WxH** | 1000 x 2200 | 1000 x 2200 | - | - | - | 1230 x 2180 | - | 1000 x 2200 |

*Thermal transmission coefficient (4.12) and radiation properties (4.13) of a specific product is provided in quotations and order confirmations in accordance with EN 14351-1:2006 +A1:2010.

** Declared values see sheet ”4.11, Acoustic performance”

# Declaration of Performance Rationel AURAPLUS IO; triple-glazed

| Opening function | 4.2 Resistance to windload | 4.5 Water tightness | 4.6 Dangerous substances | 4.8 Load bearing capacity of safety devices | 4.11 Acoustic performance | 4.12 * Thermal transmittance | 4.13 * Radiation properties | 4.14 Air permeability |
|---|---|---|---|---|---|---|---|---|
| **TITUD-2** Tilt and turn casement door, inward opening, 2-leaf | | | | | | | | |
| **Declared value** | Class B3 (1200 Pa) | Class E900 (900 Pa) | None | N/A | NPD | 0,79 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) |
| **Classification standard** | EN 12210:2016 | EN 12208:2016 | - | - | - | - | - | EN 12207:2016 |
| **Test standard** | EN 12211:2016 | EN 1027:2016 | - | - | - | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| **Notified body** | NB 1235 | NB 1235 | - | - | - | NB 1235 | - | NB 1235 |
| **Test report** | DTI/239064/2024-Feb. | DTI/239064/2024-Feb. | - | - | - | 0108/754278/2017-Apr. | 0108/754278/2017-Apr. | DTI/239064/2024-Feb. |
| **Tested size (mm), WxH** | 1600 x 2500 | 1600 x 2500 | - | - | - | 2500 x 2180 | - | 1600 x 2500 |

*Thermal transmission coefficient (4.12) and radiation properties (4.13) of a specific product is provided in quotations and order confirmations in accordance with EN 14351-1:2006 +A1:2010.

** Declared values see sheet ”4.11, Acoustic performance”

**Declaration Of Performance** **Rationel AURAPLUS IO; triple-glazed**

** 4.11 Acoustic performance

| Glass | Fixed Light | Opening window | Casement door | Door | Sliding door |
|---|---|---|---|---|---|
| 4-18-4-18-4 Energy/Clear/Energy WE w. Argon | - | 33 (-2;-5) | - | - | - |
| 4-18-4-16-6 Energy/Clear/Energy WE w. Argon | - | 38 (-2;-7) | - | - | - |
| 4-18-4-16-6,4 Energy/Clear/Laminated Energy WE w. Argon | - | 38 (-1;-5) | - | - | - |
| 4-18-4-16-6,8 Energy/Clear/Laminated Energy WE w. Argon | - | 38 (-2;-6) | - | - | - |
| 6-16-6-14-6 Energy Std/Clear/Energy Std WE Grey W/Argon | - | 35 (-2;-5) | - | - | - |
| 6-16-4-14-8,8 Energy/Clear/Laminated SOUND Energy WE w. Argon | - | 43 (-2;-6) | - | - | - |
| 6-14-6-14-8,8 Energy/Clear/Laminated SOUND Energy WE w. Argon | - | 42 (-2;-5) | - | - | - |
| 8-14-4-14-8,8 Energy/Clear/Laminated SOUND Energy WE w. Argon | - | 44 (-1;-4) | - | - | - |
| 8-14-6-12-8,8 Energy/Clear/Laminated SOUND Energy WE w. Argon | - | 43 (-1;-4) | - | - | - |
| 8,8-14-4-12-9,5 Energy Laminated Sound/Clear/Laminated Energy WE w. Argon | - | 41 (-2;-4) | - | - | - |
| 8,8-12-6-12-9,5 Energy laminated Sound/Clear/Laminated Energy WE w. Argon | - | 45 (-1;-5) | - | - | - |