



Harmonised Product Standard

EN 14351-1:2006 +A2:2016

Declaration of Performance

Type of construction product:
Facade windows and Casement doors

VELFAC 200 ENERGY
Enhanced weather performance

DOP no.:
V200Ew20250201

The performance of the Facade windows and Casement doors in the product line VELFAC 200 ENERGY; Enhanced weather performance 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:

23 januar 2025

Signed on behalf of DOVISTA A/S

Horsens



Allan Lindhard Jørgensen
CEO, DOVISTA A/S

Declaration of Performance VELFAC 200 ENERGY; Enhanced weather performance

| 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 |
|-------------------------|------------------------|-------------------------------|------------------------|-----------------------------|--|------------------------------|---------------------------------|--------------------------------|--------------------------|
| BHO | Bottomhung window | | | | | | | | |
| Declared value | Class C4 (1600 Pa) | NPD | None | (350N/60s), Optional | ** | 0,82 (W/m2K) | g 0,53 / LT 0,74 | Class 4 (±600 Pa) | |
| Classification standard | EN 12210:2016 | - | - | - | - | - | - | EN 12207:2016 | |
| Test standard | EN 12211:2016 | - | - | EN 14609:2003 | 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/251936-4/2024-Jun. | - | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/251936-4/2024-Jun. | |
| Tested size (mm), WxH | 1700 x 800 | - | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1700 x 800 | |
| CDO | Casement door, 1-leaf | | | | | | | | |
| Declared value | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | NPD | 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 | - | EN 14609:2003 | - | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 | |
| Notified body | NB 1235 | NB 1235 | - | NB 1235 | - | NB 1235 | - | NB 1235 | |
| Test report | DTI/251936-3/2024-May | DTI/251936-3/2024-May | - | DTI/202289-03/2024-Feb. | - | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/251936-3/2024-May | |
| Tested size (mm), WxH | 1077 x 2400 | 1077 x 2400 | - | 1077 x 2469 | - | 1230 x 1480 | - | 1077 x 2400 | |
| CDO-2 | Casement door, 2-leaf | | | | | | | | |
| Declared value | NPD | NPD | None | NPD | NPD | NPD | NPD | NPD | |
| Classification standard | - | - | - | - | - | - | - | - | |
| Test standard | - | - | - | - | - | EN ISO 10077-2: 2003/2012 | - | - | |
| Notified body | - | - | - | - | - | NB 1235 | - | - | |
| Test report | - | - | - | - | - | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | - | |
| Tested size (mm), WxH | - | - | - | - | - | 2500 x 2180 | - | - | |

*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 VELFAC 200 ENERGY; Enhanced weather performance

| 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 |
|---|--|-------------------------------|------------------------|-----------------------------|--|-------------------------------|---------------------------------|--------------------------------|--------------------------|
| FC Fixed casement | | | | | | | | | |
| Declared value | | Class C4 (1600 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/251936-5/2024-Jun. | DTI/251936-5/2024-Jul. | - | - | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/251936-5/2024-Jun. |
| Tested size (mm), WxH | | 2800 x 1700 | 2800 x 1700 | - | - | 1230 x 1480 | 1230 x 1480 | - | 2800 x 1700 |
| FCC Glass to glass corner window | | | | | | | | | |
| Declared value | | NPD | NPD | None | N/A | NPD | 0,82 (W/m2K) | g 0,53 / LT 0,74 | NPD |
| Classification standard | | - | - | - | - | - | - | - | - |
| Test standard | | - | - | - | - | - | EN ISO 10077-2: 2003/2012 | - | - |
| Notified body | | - | - | - | - | - | NB 1235 | - | - |
| Test report | | - | - | - | - | - | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | - |
| Tested size (mm), WxH | | - | - | - | - | - | 1230 x 1480 | - | - |
| RC Rainscreen panel | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | NPD | None | N/A | NPD | 0,68 (W/m2K) | - | Class 4 (±600 Pa) |
| Classification standard | | EN 12210:2016 | - | - | - | - | - | - | EN 12207:2016 |
| Test standard | | EN 12211:2016 | - | - | - | - | EN ISO 10077-1/2:2006/2017 | - | EN 1026:2016 |
| Notified body | | NB 1235 | - | - | - | - | NB 1235 | - | NB 1235 |
| Test report | | DTI/244210-4/2024-Apr. | - | - | - | - | 0108/825381, 2018-08-15 | 0108/825381, 2018-08-1 | DTI/244210-4/2024-Apr. |
| Tested size (mm), WxH | | 1200 x 2540 | - | - | - | - | 1230 x 1480 | - | 1200 x 2540 |

*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 VELFAC 200 ENERGY; Enhanced weather performance

| 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 |
|--|--|-------------------------------|------------------------|-----------------------------|--|-------------------------------|---------------------------------|--------------------------------|--------------------------|
| SCD Sliding casement door, 1-leaf | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | NPD | None | N/A | NPD | 0,82 (W/m2K) | g 0,53 / LT 0,72 | Class 4 (±600 Pa) |
| Classification standard | | EN 12210:2016 | - | - | - | - | - | - | EN 12207:2016 |
| Test standard | | EN 12211:2016 | - | - | - | - | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | | NB 1235 | - | - | - | - | NB 1235 | - | NB 1235 |
| Test report | | DTI/251936-1/2024-Jun. | - | - | - | - | 0108/660925, 2015-08-28 | 0108/660925, 2015-08-2 | DTI/251936-1/2024-Jun. |
| Tested size (mm), WxH | | 2700 x 2400 | - | - | - | - | 2500 x 2180 | - | 2700 x 2400 |
| SCD-2 Sliding casement door, 2-leaf | | | | | | | | | |
| Declared value | | NPD | NPD | None | N/A | NPD | 0,82 (W/m2K) | g 0,53 / LT 0,72 | NPD |
| Classification standard | | - | - | - | - | - | - | - | - |
| Test standard | | - | - | - | - | - | EN ISO 10077-2: 2003/2012 | - | - |
| Notified body | | - | - | - | - | - | NB 1235 | - | - |
| Test report | | - | - | - | - | - | 0108/660925, 2015-08-28 | 0108/660925, 2015-08-2 | - |
| Tested size (mm), WxH | | - | - | - | - | - | 2500 x 2180 | - | - |
| SGO Side-guided window | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | ** | 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 | - | EN 14609:2003 | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | | NB 1235 | NB 1235 | - | NB 1235 | NB 0402 | NB 1235 | - | NB 1235 |
| Test report | | DTI/251936-8/2024-Jul. | DTI/251936-8/2024-Jul. | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/251936-8/2024-Jul. |
| Tested size (mm), WxH | | 1000 x 1800 | 1000 x 1800 | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1000 x 1800 |

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

Declaration of Performance VELFAC 200 ENERGY; Enhanced weather performance

| 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 |
|----------------------------------|--|-------------------------------|------------------------|-----------------------------|--|-------------------------------|---------------------------------|--------------------------------|--------------------------|
| SHO Sidehung window | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | ** | 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 | - | EN 14609:2003 | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | | NB 1235 | NB 1235 | - | NB 1235 | NB 0402 | NB 1235 | - | NB 1235 |
| Test report | | DTI/251936-8/2024-Jul. | DTI/251936-8/2024-Jul. | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/251936-8/2024-Jul. |
| Tested size (mm), WxH | | 1000 x 1800 | 1000 x 1800 | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1000 x 1800 |
| TGO Top-guided window | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | ** | 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 | - | EN 14609:2003 | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | | NB 1235 | NB 1235 | - | NB 1235 | NB 0402 | NB 1235 | - | NB 1235 |
| Test report | | DTI/202289-18/2024-Feb. | DTI/251936-7/2024-Jul. | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/202289-18/2024-Feb. |
| Tested size (mm), WxH | | 1800 x 1488 | 1800 x 1488 | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1800 x 1488 |
| THO Tophung window | | | | | | | | | |
| Declared value | | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | ** | 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 | - | EN 14609:2003 | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | | NB 1235 | NB 1235 | - | NB 1235 | NB 0402 | NB 1235 | - | NB 1235 |
| Test report | | DTI/202289-18/2024-Feb. | DTI/251936-2/2024-Jul. | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/202289-18/2024-Feb. |
| Tested size (mm), WxH | | 1800 x 1488 | 1800 x 777 | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1800 x 1488 |

*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 VELFAC 200 ENERGY; Enhanced weather performance

| Opening function | 4.2 | 4.5 | 4.6 | 4.8 | 4.11 | 4.12 | 4.13 | 4.14 |
|-------------------------|---------------------------|------------------------|----------------------|---|-------------------------------|---------------------------|------------------------|------------------------|
| | Resistance to windload | Water tightness | Dangerous substances | Load bearing capacity of safety devices | Acoustic performance | * Thermal transmittance | * Radiation properties | Air permeability |
| THROX | Tophung reversible window | | | | | | | |
| Declared value | Class C4 (1600 Pa) | Class E1200 (1200 Pa) | None | (350N/60s), Optional | ** | 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 | - | EN 14609:2003 | SS-EN ISO 10140-1:2021/2:2021 | EN ISO 10077-2: 2003/2012 | - | EN 1026:2016 |
| Notified body | NB 1235 | NB 1235 | - | NB 1235 | NB 0402 | NB 1235 | - | NB 1235 |
| Test report | DTI/268669-7/2024-Okt. | DTI/268669-7/2024-Okt. | - | DTI/202289-06/2024-Feb. | ** | 0108/697720, 2016-05-11 | 0108/697720, 2016-05-1 | DTI/268669-7/2024-Okt. |
| Tested size (mm), WxH | 1400 x 1600 | 1400 x 1600 | - | 1430 x 1600 | 1230 x 1480 | 1230 x 1480 | - | 1400 x 1600 |

*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 VELFAC 200 ENERGY; Enhanced weather performance
**** 4.11 Acoustic performance - Rw (C;Ctr)**

| Glass / Panels | Test report | Opening window | Internal sash 6mm | Internal sash 10mm |
|---|---------------------------|----------------|-------------------|--------------------|
| 4-18-4-16-6 Energy/Clear/Energy WE w. Argon | O100282-1254305 C | 37 (-2;-6) | - | - |
| 4-18-4-16-6,4 Energy/Clear/Energy Laminated Safe WE Grey w. Argon | O100282-1282275 B/A | 37 (-2;-6) | 48 (-2;-6) | 49 (-1;-4) |
| 4-18-4-16-6,8 Energy/Clear/Laminated Energy WE w. Argon | O100282-1254305 C | 37 (-2;-6) | - | - |
| 4-18-4-18-4 Energy/Clear/Energy WE w. Argon | O100282-1254305C,1282275A | 33 (-2;-6) | 46 (-2;-6) | 48 (-1;-4) |
| 6-14-6-14-8,4 Energy/Clear/Laminated Energy WE w. Argon | O100282-1282275 B/A | 41 (-2;-6) | 50(-2;-5) | 51(-2;-4) |
| 6-14-6-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon | O100282-1282275 B/A | 41 (-2;-7) | 50 (-2;-5) | 52 (-2;-4) |
| 6-16-4-14-8,4 Energy/Clear/Laminated Energy WE w. Argon | O100282-1282275 B/A | 41 (-2;-6) | 49 (-1;-5) | 51 (-2;-4) |
| 6-16-4-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon | O100282-1282275 B | 41 (-2;-6) | - | - |
| 6-16-6-14-6 Energy Std/Clear/Energy Std WE Grey W/Argon | O100282-1254305 C | 34 (-1;-4) | - | - |
| 8,8-12-6-12-9,5 Energy lam. Sound/Clear/Laminated Energy WE w. Argon | O100282-1254305 C | 43 (-1;-4) | - | - |
| 8,8-14-4-12-9,5 Energy Lam. Sound/Clear/Laminated Energy WE w. Argon | O100282-1254305 C | 44 (-2;-5) | - | - |
| 8-14-4-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon | O100282-1254305 C | 43 (-2;-5) | - | - |
| 8-14-6-12-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon | O100282-1254305 C | 41 (-2;-5) | - | - |
| 6,8-18-4-16-4 Energy Lam Safe/Clear/Energy WE Grey w. Argon | O100282-1254305 C | - | 48 (-1;-5) | 50 (-1;-4) |
| 9,5-16-4-14-4 Energy Lam Safe/Clear/Energy WE Grey w. Argon | O100282-1254305 C | - | 50 (-2;-5) | 52 (-2;-4) |
| 6-14-6-14-8 Energy/Clear/Laminated Energy WE w. Argon | O100282-1254305 C | - | 49 (-1;-5) | 50 (-1;-3) |
| 8-14-4-14-8,4 Energy/Clear/Energy Lam. Safe WE Grey w. Argon | O100282-1254305 C | - | 50 (-2;-5) | 51 (-2;-4) |
| 8,8-12-6-12-8,8 Energy Lam. Safe Sound/Clear/Energy Lam. Safe Sound W | O100282-1254305 C | - | 51 (-1;-4) | 53 (-2;-4) |
| 2mm aluminium, ventilated Panel, 139mm frame | O100282-1282275 C | 51 (-1;-5) | - | - |
| 2mm aluminium, ventilated Panel, 114mm frame | O100282-1282275 C | 49 (-1;-5) | - | - |
| 2-44-2 ALU/XPS/ALU Sandwich Panel | O100282-1282275 C | 30 (-1;-3) | - | - |