



## Declaration of Performance / Ydeevnedeklaration VELFAC 100

The performance of the Windows and Patio doors in the product serie VELFAC 100 are in conformity with the declared in this document.  
This declaration of performance is issued under the sole responsibility of VELFAC A/S.

Ydeevnen for Facadevinduer og Terrassedøre i produktserien VELFAC 100 er i overensstemmelse med de deklarerede ydeevner i dette dokument.  
Denne ydeevnedeklaration udstedes på eneansvar af VELFAC A/S.

Signed on behalf of VELFAC A/S:

Underskrevet på vegne af VELFAC A/S:

**Finn Jespersen**  
CEO, Administrerende Direktør

|   |   |
|---|---|
| <b>Harmonised technical specification</b><br><b>Harmoniseret teknisk specifikation</b>  | EN 14351-1:2006 +A1:2010  |
| Type of construction product<br>Byggevaretype   | Windows and Patio doors<br>Facadevinduer og Terrassedøre                  |
| Construction product identification<br>Byggevareidentifikation  | VELFAC 100  |
| Intended use<br>Byggevarens tilsigtede anvendelse   | For domestic and commercial buildings<br>Til boliger og erhvervsbygninger |
| Manufacturer<br>Producent   | VELFAC A/S  |
| Manufacturer, address<br>Producent, adresse   | Bygholm Søpark 23, 8700 Horsens, Denmark                                  |
| Name and address of authorised representative<br>Navn og adresse på bemyndiget repræsentant   | n/a   |
| System of assessment and verification of constancy of performance of the construction product<br>Systemerne for vurdering af kontrol af konstansen af byggevarens ydeevne | (AVCP) System 3   |
| <b>Notified Bodies / Notificerede organer</b>   |   |
| <b>Teknologisk Institut</b> , Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Denmark   | NB 1235   |
| <b>SP Technical Research Institute of Sweden</b> , Box 857, SE-501 15 Borås, Sweden   | NB 0402   |

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100-02-GH

|  | V110  | V104   | V106   | V134   |  |  |  |
|--|---|--|--|--|--|--|--|
| <b>Element type</b>  | <b>Fixed window</b>   | <b>Turn and tilt window</b>                  | <b>Bottom hung window</b>                    | <b>Turn and tilt door high window</b>        |  |  |  |
| Opening direction  | -   | Inward                                       | Inward                                       | Inward                                       |  |  |  |
| <b>Element type</b>  | <b>Fast vindue</b>  | <b>Side-bundhængt vindue</b>                 | <b>Bundhængt vindue</b>                      | <b>Side-bundhængt vindues dør</b>            |  |  |  |
| Åbningsretning   | -   | Indadgående                                  | Indadgående                                  | Indadgående                                  |  |  |  |
| <b>4.2 Resistance to wind load / Modstandsevne overfor vindlast (element size: 1007*2209)</b>                        | <b>NPD</b>  | <b>C4 (1600 Pa)</b>                          | <b>C4 (1600 Pa)</b>                          | <b>C4 (1600 Pa)</b>                          |  |  |  |
| Test and Classification / Test og klassifikation   |   | EN 12211:2000<br>EN 12210:2000               | EN 12211:2000<br>EN 12210:2000               | EN 12211:2000<br>EN 12210:2000               |  |  |  |
| Notified body / notificeret organ  |   | NB 1235                                      | NB 1235                                      | NB 1235                                      |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   |   | 1316346-01,<br>1004857, 217929<br>2007.09.25 | 1316346-01,<br>1004857, 217929<br>2007.09.25 | 1316346-01,<br>1004857, 217929<br>2007.09.25 |  |  |  |
| <b>4.5 Watertightness / Vandtæthed</b>   | <b>NPD</b>  | <b>NPD</b>                                   | <b>NPD</b>                                   | <b>NPD</b>                                   |  |  |  |
| Test and Classification / Test og klassifikation   |   |  |  |  |  |  |  |
| Notified body / notificeret organ  |   |  |  |  |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   |   |  |  |  |  |  |  |
| <b>4.8 Load-bearing capacity of safety devices / Sikkerhedsudstørs bæreevne</b>                                      | <b>N/A</b>  | <b>NPD</b>                                   | <b>NPD</b>                                   | <b>NPD</b>                                   |  |  |  |
| Test and Classification / Test og klassifikation   |   |  |  |  |  |  |  |
| Notified body / notificeret organ  |   |  |  |  |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   |   |  |  |  |  |  |  |
| Note   | 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, Table E.2, Note d |  |  |  |  |  |  |
| Note   | Termisk transmissionskoefficient (4.12) og strålingsegenskaber (4.13) for et specifikt produkt er angivet på tilbud/ordrebekræftelser i overensstemmelse med EN14351-1:2006+A1:2010, Tabel E.2, Note d        |  |  |  |  |  |  |
| <b>4.12 Thermal transmittance / Termisk transmissionskoefficient (element size: 1230*1480. VELFAC standard pane)</b> | <b>1,20 (W/m2K)</b>   | <b>1,20 (W/m2K)</b>                          | <b>1,20 (W/m2K)</b>                          | <b>1,20 (W/m2K)</b>                          |  |  |  |
| Test and Classification / Test og klassifikation   | EN ISO 10077-2:2003   | EN ISO 10077-2:2003                          | EN ISO 10077-2:2003                          | EN ISO 10077-2:2003                          |  |  |  |
| Notified body / notificeret organ  | NB 1235   | NB 1235                                      | NB 1235                                      | NB 1235                                      |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   | 0108/432258,<br>2011-05-16  | 0108/432258,<br>2011-05-16                   | 0108/432258,<br>2011-05-16                   | 0108/432258,<br>2011-05-16                   |  |  |  |
| <b>4.13 Radiation properties / Strålingsegenskaber</b>   | <b>g 0,54 / LT 0,72</b>   | <b>g 0,54 / LT 0,72</b>                      | <b>g 0,54 / LT 0,72</b>                      | <b>g 0,54 / LT 0,72</b>                      |  |  |  |
| <b>4.14 Air permeability / Lufttæthed (element size: 1007*2209)</b>  | <b>NPD</b>  | <b>4 (600 Pa)</b>                            | <b>4 (600 Pa)</b>                            | <b>4 (600 Pa)</b>                            |  |  |  |
| Test and Classification / Test og klassifikation   |   | EN 1026:2000<br>EN 12207:2000                | EN 1026:2000<br>EN 12207:2000                | EN 1026:2000<br>EN 12207:2000                |  |  |  |
| Notified body / notificeret organ  |   | NB 1235                                      | NB 1235                                      | NB 1235                                      |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   |   | 1316346-01,<br>1004857, 217929<br>2007.09.25 | 1316346-01,<br>1004857, 217929<br>2007.09.25 | 1316346-01,<br>1004857, 217929<br>2007.09.25 |  |  |  |
| <b>4.18 Ventilation</b>  | <b>See table below, Se tabel nedenfor</b>   |  |  |  |  |  |  |
| Test and Classification / Test og klassifikation   | EN 13141-1:2004   | EN 13141-1:2004                              | EN 13141-1:2004                              | EN 13141-1:2004                              |  |  |  |
| Notified body / notificeret organ  | NB 0402   | NB 0402                                      | NB 0402                                      | NB 0402                                      |  |  |  |
| Test report, issue date / Test rapport, udgivelsesdato   | ETk P703299<br>2008-01-24   | ETk P703299<br>2008-01-24                    | ETk P703299<br>2008-01-24                    | ETk P703299<br>2008-01-24                    |  |  |  |

| <b>4.18 Ventilation - Independent on opening function / Uafhængig af åbnefunktion</b> |                    |                |
|---|--------------------|----------------|
| <b>Clickvent placed in jamb reveal / Friskluftventil placeret i karmkant</b>          |                    |                |
| Characteristics for airflow / Egenskab for luftstrøm: K                               |                    | 1,7901         |
| Airflow index / Luftstrømssekspont: n   |                    | 0,5169         |
| Airflow volume / Volumenluftstrømme:  | Pressure drop (Pa) | Airflow (m3/h) |
|   | 3,9                | 13,3           |
|   | 7,9                | 18,7           |
|   | 10                 | 21,1           |
|   | 20                 | 30,5           |