



Revision
RitA-02-GH

Declaration of Performance / Ydeevnedeklaration VELFAC Ribo wood A

The performance of the Windows and Patio doors in the product serie VELFAC Ribo wood A 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 Terrassedørene i produktserien VELFAC Ribo wood A 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

| | |
|---|---|
| Harmonised technical specification Harmoniseret teknisk specifikation | EN 14351-1:2006 +A1:2010 |
| Type of construction product Byggevaretype | Windows and Patio doors Facadevinduer og Terrassedøre |
| Construction product identification Byggevareidentifikation | VELFAC Ribo wood A |
| Intended use Byggevarens tilsigtede anvendelse | For domestic and commercial buildings Til boliger og erhvervsbygninger |
| Manufacturer Producent | VELFAC A/S |
| Manufacturer, address Producent, adresse | Bygholm Søpark 23, 8700 Horsens, Denmark |
| Name and address of authorised representative Navn og adresse på bemyndiget repræsentant | n/a |
| System of assessment and verification of constancy of performance of the construction product Systemerne for vurdering af kontrol af konstanzen af byggevarens ydeevne | (AVCP) System 3 |
| Notified Bodies / Notificerede organer | |
| Chiltern Dynamics , Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom | NB 1314 |
| Teknologisk Institut , Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Denmark | NB 1235 |

Declaration of Performance / Ydeevnedeklaration VELFAC Ribo wood A

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| | VELFAC Ribo 10 | VELFAC Ribo 11 | VELFAC Ribo 12 | VELFAC Ribo 01 | VELFAC Ribo 07 | VELFAC Ribo 09 | VELFAC Ribo 29 | VELFAC Ribo 31 |
|--|---|--|--|--|--|--|---|--|
| Element type | Fixed window | Fixed window with sash | Tophung projecting | Sidehung | Sidehung projecting | Side swing | Reversible | Door high window |
| Opening direction | - | - | Outward | Outward | Outward | Outward | Outward | Outward |
| Element type | Fast vindue | Fast vindue med ramme | Topstyret | Sidehængt | Sidestyret | Sidevende | Vendevindue | Vinduesdør |
| Åbningsretning | - | - | Udadgående | Udadgående | Udadgående | Udadgående | Udadgående | Udadgående |
| 4.2 Resistance to wind load / Modstandsevne overfor vindlast | 4C (1600Pa) | NPD | 4B (1600Pa) | 4C (1600Pa) | 4C (1600Pa) | 4C (1600Pa) | 4C (1600Pa) | 4C (1600Pa) |
| Test and Classification / Test og klassifikation | EN 12211:2000 EN 12210:2000 | | EN 12211:2000 EN 12210:2000 | EN 12211:2000 EN 12210:2000 | EN 12211:2000 EN 12210:2000 | EN 12211:2000 EN 12210:2000 | EN 12211:2000 EN 12210:2000 | EN 12211:2000 EN 12210:2000 |
| Notified body / notificeret organ | NB 1314 | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | Chilt/P12056/11 February 2013 (2490*2400) | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/22 February 2013 (1600*1600) | Chilt/P12056/17 February 2013 (2340*2400) |
| 4.5 Watertightness / Vandtæthed | 9A (600Pa) | NPD | 9A (600Pa) | 9A (600Pa) | 9A (600Pa) | 9A (600Pa) | 9A (600Pa) | 9A (600Pa) |
| Test and Classification / Test og klassifikation | EN 1027:2000 EN 12208:2000 | | EN 1027:2000 EN 12208:2000 | EN 1027:2000 EN 12208:2000 | EN 1027:2000 EN 12208:2000 | EN 1027:2000 EN 12208:2000 | EN 1027:2000 EN 12208:2000 | EN 1027:2000 EN 12208:2000 |
| Notified body / notificeret organ | NB 1314 | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | Chilt/P12056/11 February 2013 (2490*2400) | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/22 February 2013 (1600*1600) | Chilt/P12056/17 February 2013 (2340*2400) |
| 4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne | N/A | N/A | Passed (optional) | Passed (optional) | Passed (optional) | Passed (optional) | Passed (optional) | Passed (optional) |
| Test and Classification / Test og klassifikation | | | EN 14609:2004 EN 14351-1 Clause 4.8 | EN 14609:2004 EN 14351-1 Clause 4.8 | EN 14609:2004 EN 14351-1 Clause 4.8 | EN 14609:2004 EN 14351-1 Clause 4.8 | EN 14609:2004 EN 14351-1 Clause 4.8 | EN 14609:2004 EN 14351-1 Clause 4.8 |
| Notified body / notificeret organ | | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | | | Chilt/P13059 Marts 2013 | Chilt/P13059 Marts 2013 | Chilt/P13059 Marts 2013 | Chilt/P13059 Marts 2013 | Chilt/P12056/12 February 2013 (1800*1600) Chilt/P13059 Marts 2013 | Chilt/P13059 Marts 2013 |
| 4.11 Acoustic performance / Akustisk ydeevne (element size: 1230*1480) | NPD | See table below, Se tabel nedenfor Rw (C;Ctr) | | | | | | NPD |
| Test and Classification / Test og klassifikation | | EN ISO 10140-2:2010, EN ISO 717-1 | | | | | | |
| Notified body / notificeret organ | | NB 1314 | | | | | | |
| Test report, issue date / Test rapport, udgivelsesdato | | Chilt/Z12014/06, Chilt/Z12014/15, November 2012 | | | | | | |
| 6-14-4-16-4/0.76/4 Energy/Clear/Sound safety energy WE w. Argon | | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | |
| 3/0.76/3-14-6-12-4/0.76/4 Energy safety/Clear/Sound safety energy WE w. Argon | | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | 42 (-1;-4) dB | |
| 4-18-4-16-3/0.38/3 Energy safety/Clear/Energy safety WE w. Argon | | 38 (-2;-7) dB | 38 (-2;-7) dB | 38 (-2;-7) dB | 38 (-2;-7) dB | 38 (-2;-7) dB | 38 (-2;-7) dB | |
| 4-16-4-16-4/0.76/4 Energy/Clear/Sound safety energy WE w. Argon | | 41 (-1;-4) dB | 41 (-1;-4) dB | 41 (-1;-4) dB | 41 (-1;-4) dB | 41 (-1;-4) dB | 41 (-1;-4) dB | |
| 4/0.76/4-12-6-12-4/0.76/4 Sound safety energy/Clear/Sound safety energy WE w. Argon | | 43 (0;-4) dB | 43 (0;-4) dB | 43 (0;-4) dB | 43 (0;-4) dB | 43 (0;-4) dB | 43 (0;-4) dB | |
| 4-18-4-18-4 Energy/Clear/Energy WE w. Argon | | 35 (-1;-5) dB | 35 (-1;-5) dB | 35 (-1;-5) dB | 35 (-1;-5) dB | 35 (-1;-5) dB | 35 (-1;-5) dB | |
| 4-18-4-16-6 Energy/Clear/Energy WE w. Argon | | 38 (-1;-6) dB | 38 (-1;-6) dB | 38 (-1;-6) dB | 38 (-1;-6) dB | 38 (-1;-6) dB | 38 (-1;-6) dB | |
| 4-16-4-14-4/1.52/4 Energy/Clear/Energy safety WE w. Argon | | 39 (-1;-5) dB | 39 (-1;-5) dB | 39 (-1;-5) dB | 39 (-1;-5) dB | 39 (-1;-5) dB | 39 (-1;-5) dB | |
| 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 | | | | | | | |
| 4.12 Thermal transmittance / Termisk transmissionskoefficient (element size: 1230*1480. VELFAC standard pane) | 0,7 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) | 0,8 (W/m2K) |
| Test and Classification / Test og klassifikation | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 | EN 14351-1:2006 +A1:2010, EN ISO 10077-2:2003 |
| Notified body / notificeret organ | NB 1235 | NB 1235 | NB 1235 | NB 1235 | NB 1235 | NB 1235 | NB 1235 | NB 1235 |
| Test report, issue date / Test rapport, udgivelsesdato | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 | 432258 Velfac VRibo træ 3 lags glasITT 2011-05-10 |
| 4.13 Radiation properties / Strålingsegenskaber | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 | g 0,50 LT 0,72 |

| | | | | | | | | |
|---|---|------------|---|---|---|---|---|---|
| 4.14 Air permeability / Lufttæthed | 4 (600Pa) | NPD | 4 (600Pa) | 4 (600Pa) | 4 (600Pa) | 4 (600Pa) | 4 (600Pa) | 4 (600Pa) |
| Test and Classification / Test og klassifikation | EN 1026:2000 EN 12207:2000 | | EN 1026:2000 EN 12207:2000 | EN 1026:2000 EN 12207:2000 | EN 1026:2000 EN 12207:2000 | EN 1026:2000 EN 12207:2000 | EN 1026:2000 EN 12207:2000 | EN 1026:2000 EN 12207:2000 |
| Notified body / notificeret organ | NB 1314 | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | Chilt/P12056/11 February 2013 (2490*2400) | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/22 February 2013 (1600*1600) | Chilt/P12056/17 February 2013 (2340*2400) |
| 4.16 Operating forces / Betjeningskraft | N/A | N/A | Class 1 | Class 1 | Class 1 | Class 1 | Class 1 | Class 1 |
| Test and Classification / Test og klassifikation | | | EN 12046-1:2003 EN 13115:2001 | EN 12046-1:2003 EN 13115:2001 | EN 12046-1:2003 EN 13115:2001 | EN 12046-1:2003 EN 13115:2001 | EN 12046-1:2003 EN 13115:2001 | EN 12046-1:2003 EN 13115:2001 |
| Notified body / notificeret organ | | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/12 February 2013 (1800*1600) | Chilt/P12056/15 February 2013 (1835*1800) |
| 4.17 Mechanical strength / Mekanisk styrke | N/A | N/A | Class 3 | Class 3 | Class 3 | Class 3 | Class 3 | Class 3 |
| Test and Classification / Test og klassifikation | | | EN 14608:2004 14609:2004 EN 13115:2001 | EN 14608:2004 EN 14609:2004 EN 13115:2001 | EN 14608:2004 EN 14609:2004 EN 13115:2001 | EN 14608:2004 EN 14609:2004 EN 13115:2001 | EN 14608:2004 EN 14609:2004 EN 13115:2001 | EN 14608:2004 EN 14609:2004 EN 13115:2001 |
| Notified body / notificeret organ | | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/12 February 2013 (1800*1600) | Chilt/P12056/15 February 2013 (1835*1800) |
| 4.21 Resistance to repeated opening and closing / Modstandsevne for gentagen åbning og lukning | N/A | N/A | Class 3 (20.000) | Class 3 (20.000) | Class 3 (20.000) | Class 3 (20.000) | Class 3 (20.000) | Class 3 (20.000) |
| Test and Classification / Test og klassifikation | | | EN 1191:2000 EN 12400:2002 | EN 1191:2000 EN 12400:2002 | EN 1191:2000 EN 12400:2002 | EN 1191:2000 EN 12400:2002 | EN 1191:2000 EN 12400:2002 | EN 1191:2000 EN 12400:2002 |
| Notified body / notificeret organ | | | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 | NB 1314 |
| Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse) | | | Chilt/P12056/09 February 2013 (1797*1568) | Chilt/P12056/10 February 2013 (935*1800) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/13 February 2013 (1000*1600) | Chilt/P12056/12 February 2013 (1800*1600) | Chilt/P12056/15 February 2013 (1835*1800) |