



Declaration of Performance / Ydeevnedeklaration VELFAC Ribo alu A

The performance of the Windows and Patio doors in the product serie VELFAC Ribo alu 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 Terrassedøre i produktserien VELFAC Ribo alu 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 alu 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
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 konstansen 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 alu A

RiaA-01-GH

Element type	VELFAC Ribo 10	VELFAC Ribo 11	VELFAC Ribo 12	VELFAC Ribo 01	VELFAC Ribo 07	VELFAC Ribo 09	VELFAC Ribo 29	VELFAC Ribo 31
Opening direction	-	-	Outward	Outward	Outward	Outward	Outward	Outward
Element type	Fixed window	Fixed window with sash	Tophung projecting	Sidehung	Sidehung projecting	Side swing	Reversible	Window door
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	1600Pa (4C)	NPD	1600Pa (4B)	1600Pa (4B)	1600Pa (4C)	1600Pa (4C)	1600Pa (4C)	1600Pa (4C)
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 / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013		Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 February 2013	Chilt/P12056/17 February 2013
4.5 Watertightness / Vandtæthed	600Pa (9A)	NPD	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)
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 / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013		Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 February 2013	Chilt/P12056/17 February 2013
4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne	N/A	N/A	Passed (optional)	Passed (optional)	Passed (optional)	Passed (optional)	Passed	Passed (optional)
Test and Classification / Test og klassifikation			EN14609:2004	EN14609:2004	EN14609:2004	EN14609:2004	EN14609:2004	EN14609:2004
Notified body / notificeret organ			NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato			Chilt/P13059 2013-03-25	Chilt/P13059 2013-03-25	Chilt/P13059 2013-03-25	Chilt/P13059 2013-03-25	Chilt/P13059 2013-03-25	Chilt/P13059 2013-03-25
4.11 Acoustic performance / Akustisk ydeevne	NPD	NPD	See table below, Se tabel nedenfor Rw (C;Ctr)					NPD
Test and Classification / Test og klassifikation			EN 10140-2:2010					
Notified body / notificeret organ			NB 1314					
Test report, issue date / Test rapport, udgivelsesdato			Chilt/Z12014/04, Chilt/Z12014/13, November 2012					
4/0.76/4-12-6-12-4/0.76/4 Sound safety/Clear/Sound safety energy WE w. Argon			43 (-1;-6) dB	43 (-1;-6) dB	43 (-1;-6) dB	43 (-1;-6) dB	43 (-1;-6) dB	43 (-1;-6) dB
6-16-4-14-4/0.76/4 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			39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB
4-16-4-16-4/0.76/4 Energy/Clear/Sound safety energy WE w. Argon			41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB
3/0.76/3-14-6-12-4/0.76/4 Energy safety/Clear/Sound safety energy WE			42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB
4-18-4-18-4 Energy/Clear/Energy WE w. Argon			34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	34 (-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 safety/Clear/Energy WE w. Argon			40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB
3/0.76/3-18-4-16-4 Energy safety/Clear/Energy WE w. Argon			39 (-1;-4) dB	39 (-1;-4) dB	39 (-1;-4) dB	39 (-1;-4) dB	39 (-1;-4) dB	39 (-1;-4) dB
4.12 Thermal transmittance / Termisk transmissionskoefficient	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 10077-2:2003	EN 10077-2:2003	EN 10077-2:2003	EN 10077-2:2003	EN 10077-2:2003	EN 10077-2:2003	EN 10077-2:2003	EN 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 alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10	432258 Velfac Vribo alu 3 lags glas ITT 2011-05-10
4.13 Radiation properties / Strålingsegenskaber	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72
4.14 Air permeability / Lufttæthed	600Pa (4)	NPD	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)
Test and Classification / Test og klassifikation	EN1026:2000 EN12207:2000		EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000
Notified body / notificeret organ	NB 1314		NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013		Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 February 2013	Chilt/P12056/17 February 2013
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			EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2002	EN12046-1:2003 EN13115:2003	EN12046-1:2003 EN13115:2003	EN12046-1:2003 EN13115:2004	EN12046-1:2003 EN13115:2006
Notified body / notificeret organ			NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato			Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 February 2013	Chilt/P12056/15 February 2013

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			EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2002	EN14608:2004 EN14609:2004 EN13115:2003	EN14608:2004 EN14609:2004 EN13115:2003	EN14608:2004 EN14609:2004 EN13115:2004	EN14608:2004 EN14609:2004 EN13115:2006
Notified body / notificeret organ			NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato			Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 February 2013	Chilt/P12056/15 February 2013
4.21 Resistance to repeated opening and closing / Modstandsevne for gentagen åbning og lukning	N/A	N/A	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3
Test and Classification / Test og klassifikation			EN 1191:2000 EN 12400:2002	EN 1191:2000 EN 12400:2003	EN 1191:2000 EN 12400:2004	EN 1191:2000 EN 12400:2004	EN 1191:2000 EN 12400:2005	EN 1191:2000 EN 12400:2007
Notified body / notificeret organ			NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato			Chilt/P12056/09/A February 2013	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 February 2013	Chilt/P12056/15 February 2013