



Declaration of Performance / Ydeevnedeklaration VELFAC Ribo alu

The performance of the Windows and Patio doors in the product serie VELFAC Ribo alu 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 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
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
DELTA Danish Electronics, Light & Acoustics , Erhvervsvej 2A, 8653 Them, Denmark	NB 0199
SP Technical Research Institute of Sweden , Box 857, SE-501 15 Borås, Sweden	NB 0402

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Ria-01-GH

	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	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/Z12014/05, Chilt/Z12014/14, November 2012					
6-14-4/0.76/4 Clear/Sound safety energy WE w. Argon			40 (-1;-4) dB	40 (-1;-4) dB	40 (-1;-4) dB	40 (-1;-4) dB	40 (-1;-4) dB	40 (-1;-4) dB
3/0.76/3-12-4/0.76/4 Clear safety/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
4-18-3/0.76/3 Clear/Energy safety WE w. Argon			38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB
4-18-3/0.38/3 Clear/Energy safety WE w. Argon			38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB	38 (-1;-4) dB
4-20-4 Clear/Energy WE w. Argon			34 (-1;-4) dB	34 (-1;-4) dB	34 (-1;-4) dB	34 (-1;-4) dB	34 (-1;-4) dB	34 (-1;-4) dB
4-16-4/0.76/4 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
4-18-6 Clear/Energy WE w. Argon			37 (0;-4) dB	37 (0;-4) dB	37 (0;-4) dB	37 (0;-4) dB	37 (0;-4) dB	37 (0;-4) dB
4-14-4/1.52/4 Clear/Energy safety WE/P4A			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	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (W/m2K)	1,3 (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 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09	432258 Velfac VRibo alu 28 mm ITT 2011-05-09
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