



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 Byggevarereidentifikation	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, 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 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

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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	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/Z12014/05, 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	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	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	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	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	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	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	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	39 (-1;-4) 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)	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 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 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 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80	g 0,62 LT 0,80

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/P12056/13 February 2013 (1000*1600)	Chilt/P12056/22 February 2013 (1600*1600)
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 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	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)