



Harmonised Product Standard

EN 12101-2:2003
EN 14351-1:2006 +A2:2016

Declaration of Performance

Type of construction product:
facade windows and Smoke ventilation

VELFAC 200 ENERGY
WMA SMOKE

DOP no.:

V200Esv20250201

The performance of the facade windows and Smoke ventilation in product serie VELFAC 200 ENERGY; WMA SMOKE are in conformity with the declared in the following pages.

This Declaration of Performance is issued under the sole responsibility of DOVISTA A/S.
System of assessment and verification of constancy of performance of the construction product:
(AVCP) System 1 - for Smoke ventilation, EN 12101-2:2003
(AVCP) System 3 - for general performance, EN 14351-1:2006+A2:2016

Intended use:
For domestic and commercial buildings

Manufacturer:

DOVISTA A/S

Bygholm Søpark 21D, 8700 Horsens, Denmark

Notified Bodies (Test institute):
NB 1235 - DANISH TECHNOLOGICAL INSTITUTE
NB 0402 - RISE RESEARCH INSTITUTES OF SWEDEN


Windows and Doors containing Electrical and Electronic Equipment are in conformity with RoHS (Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) as amended by Directive 2015/863/EU.

Date:

23 januar 2025

Signed on behalf of DOVISTA A/S

Horsens



Allan Lindhard Jørgensen
CEO, DOVISTA A/S

Declaration of Performance VELFAC 200 ENERGY; WMA SMOKE

Opening function	4.2 Resistance to windload	4.5 Water tightness	4.6 Dangerous substances	4.8 Load bearing capacity of safety devices	4.11 Acoustic performance	4.12 * Thermal transmittance	4.13 * Radiation properties	4.14 Air permeability
BHO WMA								
Declared value	Class C4 (1600 Pa)	Class 9A (600 Pa)	None	(350N/60s), Optional	**	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Test result	Class C4 (1600 Pa)	600 PA (9A)	None	Passed (350N/60s)	NPD	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Classification standard	EN 12210:2016	EN 12208:2016	-	-	-	EN ISO 10077-2:2012	-	EN 12207:2016
Test standard	EN 12211:2016	EN 1027:2016	-	EN 14351-1:2006 +A2:2016	SS-EN ISO 10140-1:2021/2:2021	EN ISO 10077-2:2012	-	EN 1026:2016
Notified body	NB 1235	NB 1235	-	NB 1235	NB 0402	NB 1235	-	NB 1235
Test report	DTI/251936-4/2024-Jun.	DTI/251936-4/2024-Jun.	-	-	**	0108/697720 2016-05-11	0108/697720 2016-05-1	DTI/251936-4/2024-Jun.
Tested size (mm), WxH	1700 x 800	1700 x 800	-	-	1230 x 1480	1230 x 1480	-	1700 x 800
CDO WMA								
Declared value	Class C4 (1600 Pa)	Class 9A (600 Pa)	None	(350N/60s), Optional	NPD	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Test result	Class C4 (1600 Pa)	600 PA (9A)	None	Passed (350N/60s)	NPD	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Classification standard	EN 12210:2016	EN 12208:2016	-	-	-	EN ISO 10077-2:2012	-	EN 12207:2016
Test standard	EN 12211:2016	EN 1027:2016	-	EN 14351-1:2006 +A2:2016	-	EN ISO 10077-2:2012	-	EN 1026:2016
Notified body	NB 1235	NB 1235	-	NB 0621	-	NB 1235	-	NB 1235
Test report	DTI/244210-3/2024-Apr.	DTI/244210-3/2024-Apr.	-	WIL 398465 June 2018	-	0108/697720 2016-05-11	0108/697720 2016-05-1	DTI/244210-3/2024-Apr.
Tested size (mm), WxH	1077 x 2400	1077 x 2400	-	1077 x 2400	-	-	-	1077 x 2400
SHO WMA								
Declared value	Class C4 (1600 Pa)	Class 9A (600 Pa)	None	(350N/60s), Optional	**	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Test result	Class C4 (1600 Pa)	600 PA (9A)	None	Passed (350N/60s)	NPD	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Classification standard	EN 12210:2016	EN 12208:2016	-	-	-	EN ISO 10077-2:2012	-	EN 12207:2016
Test standard	EN 12211:2016	EN 1027:2016	-	EN 14351-1:2006 +A2:2016	SS-EN ISO 10140-1:2021/2:2021	EN ISO 10077-2:2012	-	EN 1026:2016
Notified body	NB 1235	NB 1235	-	NB 0621	NB 0402	NB 1235	-	NB 1235
Test report	DTI/244210-8/2024-Apr.	DTI/244210-8/2024-Apr.	-	WIL 398465 June 2018	**	0108/697720 2016-05-11	0108/697720 2016-05-1	DTI/244210-8/2024-Apr.
Tested size (mm), WxH	1000 x 1800	1000 x 1800	-	1100 x 1496	1230 x 1480	1230 x 1480	-	1000 x 1800

*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.

** Declared values see sheet "4.11, Acoustic performance"

Declaration of Performance VELFAC 200 ENERGY; WMA SMOKE

Opening function	4.2	4.5	4.6	4.8	4.11	4.12	4.13	4.14
	Resistance to windload	Water tightness	Dangerous substances	Load bearing capacity of safety devices	Acoustic performance	* Thermal transmittance	* Radiation properties	Air permeability
TGO WMA								
Declared value	Class C4 (1600 Pa)	Class 9A (600 Pa)	None	(350N/60s), Optional	**	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Test result	Class C4 (1600 Pa)	600 PA (9A)	None	Passed (350N/60s)	NPD	0,82 (W/m2K)	g 0,53 / LT 0,74	Class 4 (±600 Pa)
Classification standard	EN 12210:2016	EN 12208:2016	-	-	-	EN ISO 10077-2:2012	-	EN 12207:2016
Test standard	EN 12211:2016	EN 1027:2016	-	EN 14351-1:2006 +A2:2016	SS-EN ISO 10140-1:2021/2:2021	EN ISO 10077-2:2012	-	EN 1026:2016
Notified body	NB 1235	NB 1235	-	NB 0621	NB 0402	NB 1235	-	NB 1235
Test report	DTI/202289-18/2024-Feb.	DTI/202289-18/2024-Feb.	-	WIL 398465 June 2018	**	0108/697720 2016-05-11	0108/697720 2016-05-1	DTI/202289-18/2024-Feb.
Tested size (mm), WxH	1800 x 1488	1800 x 1488	-	1100 x 1496	1230 x 1480	1230 x 1480	-	1800 x 1488

*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.

** Declared values see sheet "4.11, Acoustic performance"

	6.0	7.1	7.3	7.4	7.5	7.5.2.1
	Aerodynamic free area [m²]	Reliability	Low ambient temperature [°C]	Wind load [Pa]	Resistance to heat	Reaction to fire classification

Opening function

BHO Bottomhung window						
Declared value	0,66*	Re 1000	T (-05)	WL 3000	B 300	-
Classification standard	-	-	-	-	-	-
Test standard	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003
Notified body	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402
Test report	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14
Tested size (mm), WxH	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480
Aluminium (Part of sash)	A1					
Profile "50.0257" (Part of sash)	E					
Wood (frame)	D-s2,d0					

CDO Casement door, 1-leaf						
Declared value	0,66*	Re 1000	T (-05)	WL 3000	B 300	-
Classification standard	-	-	-	-	-	-
Test standard	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003
Notified body	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402
Test report	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14
Tested size (mm), WxH	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480
Aluminium (Part of sash)	A1					
Profile "50.0257" (Part of sash)	E					
Wood (frame)	D-s2,d0					

SHO Sidehung window						
Declared value	0,66*	Re 1000	T (-05)	WL 3000	B 300	-
Classification standard	-	-	-	-	-	-
Test standard	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003
Notified body	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402
Test report	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14
Tested size (mm), WxH	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480
Aluminium (Part of sash)	A1					
Profile "50.0257" (Part of sash)	E					
Wood (frame)	D-s2,d0					

		6.0	7.1	7.3	7.4	7.5	7.5.2.1
		Aerodynamic free area [m²]	Reliability	Low ambient temperature [°C]	Wind load [Pa]	Resistance to heat	Reaction to fire classification
Opening function							
TGO		Top-guided window					
Declared value		0,66*	Re 1000	T (-05)	WL 3000	B 300	-
Classification standard		-	-	-	-	-	-
Test standard		EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003	EN 12101-2:2003
Notified body		NB 0402	NB 0402	NB 0402	NB 0402	NB 0402	NB 0402
Test report		0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14	0402 - CPR - SC0499-14
Tested size (mm), WxH		1230x1480	1230x1480	1230x1480	1230x1480	1230x1480	1230x1480
Aluminium (Part of sash)		A1					
Profile "50.0257" (Part of sash)		E					
Wood (frame)		D-s2,d0					

* Calculation for aerodynamic free area for specfic sizes, can be found at VELFAC homepage



Declaration Of Performance VELFAC 200 ENERGY; WMA SMOKE**** 4.11 Acoustic performance - Rw (C;Ctr)**

Glass / Panels	Test report	Opening window	Internal sash 6mm	Internal sash 10mm
4-18-4-16-6 Energy/Clear/Energy WE w. Argon	O100282-1254305 C	37 (-2;-6)	-	-
4-18-4-16-6,4 Energy/Clear/Energy Laminated Safe WE Grey w. Argon	O100282-1282275 B/A	37 (-2;-6)	48 (-2;-6)	49 (-1;-4)
4-18-4-16-6,8 Energy/Clear/Laminated Energy WE w. Argon	O100282-1254305 C	37 (-2;-6)	-	-
4-18-4-18-4 Energy/Clear/Energy WE w. Argon	O100282-1254305C,1282275A	33 (-2;-6)	46 (-2;-6)	48 (-1;-4)
6-14-6-14-8,4 Energy/Clear/Laminated Energy WE w. Argon	O100282-1282275 B/A	41 (-2;-6)	50(-2;-5)	51(-2;-4)
6-14-6-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon	O100282-1282275 B/A	41 (-2;-7)	50 (-2;-5)	52 (-2;-4)
6-16-4-14-8,4 Energy/Clear/Laminated Energy WE w. Argon	O100282-1282275 B/A	41 (-2;-6)	49 (-1;-5)	51 (-2;-4)
6-16-4-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon	O100282-1282275 B	41 (-2;-6)	-	-
6-16-6-14-6 Energy Std/Clear/Energy Std WE Grey W/Argon	O100282-1254305 C	34 (-1;-4)	-	-
8,8-12-6-12-9,5 Energy lam. Sound/Clear/Laminated Energy WE w. Argon	O100282-1254305 C	43 (-1;-4)	-	-
8,8-14-4-12-9,5 Energy Lam. Sound/Clear/Laminated Energy WE w. Argon	O100282-1254305 C	44 (-2;-5)	-	-
8-14-4-14-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon	O100282-1254305 C	43 (-2;-5)	-	-
8-14-6-12-8,8 Energy/Clear/Laminated Sound Energy WE w. Argon	O100282-1254305 C	41 (-2;-5)	-	-
6,8-18-4-16-4 Energy Lam Safe/Clear/Energy WE Grey w. Argon	O100282-1254305 C	-	48 (-1;-5)	50 (-1;-4)
9,5-16-4-14-4 Energy Lam Safe/Clear/Energy WE Grey w. Argon	O100282-1254305 C	-	50 (-2;-5)	52 (-2;-4)
6-14-6-14-8 Energy/Clear/Laminated Energy WE w. Argon	O100282-1254305 C	-	49 (-1;-5)	50 (-1;-3)
8-14-4-14-8,4 Energy/Clear/Energy Lam. Safe WE Grey w. Argon	O100282-1254305 C	-	50 (-2;-5)	51 (-2;-4)
8,8-12-6-12-8,8 Energy Lam. Safe Sound/Clear/Energy Lam. Safe Sound W	O100282-1254305 C	-	51 (-1;-4)	53 (-2;-4)
2mm aluminium, ventilated Panel, 139mm frame	O100282-1282275 C	51 (-1;-5)	-	-
2mm aluminium, ventilated Panel, 114mm frame	O100282-1282275 C	49 (-1;-5)	-	-
2-44-2 ALU/XPS/ALU Sandwich Panel	O100282-1282275 C	30 (-1;-3)	-	-