



**Declaration of Performance / Ydeevnedeklaration**  
**VELFAC 200 Energy WMA smoke**  
**DoP - VELFAC 200 Energy WMA smoke - 2015.10.01**

The performance of the Windows and Smoke ventilation in the product serie VELFAC 200 Energy WMA smoke 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 Røgventilatorne i produktserien VELFAC 200 Energy WMA smoke 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

Type of construction product Byggevaretype	Windows and Smoke ventilation Facadevinduer og Røgventilator
Construction product identification Byggevaridentifikation	VELFAC 200 Energy WMA smoke
Intended use Byggevaarens tilsigtede anvendelse	For domestic and commercial buildings Til boliger og erhvervsbygninger
Manufacturer Producent	DOVISTA Polska
Manufacturer, address Producent, adresse	Sp.z.o.o. Wedkowy 83-115, PL-83-115 SWAROZYN, Poland
Name and address of authorised representative Navn og adresse på bemyndiget repræsentant	VELFAC A/S, Bygholm Søpark 23, 8700 Horsens, Denmark
System of assessment and verification of constancy of performance of the construction product Systemerne for vurdering af kontrol af konstansen af byggevaarens ydeevne	(AVCP) System 1 - for Smoke veni  (AVCP) System 3 - general performance



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**Harmonised technical specification**  
 Harmoniseret teknisk specifikation

EN 12101-2:2003

**Notified Bodies / Notificerede organer**  
 SP Technical Research Institute of Sweden, Box 857, SE-501 15 Borås, Sweden

NB 0402

**Certificate number / Certifikat nummer**  
 First issued / Udstedelsesdato

0402 - CPR - SC0499-14  
 25<sup>th</sup> of August 2014 / 25. august 2014

		V201 Energy WMA smoke	V212 Energy WMA smoke	V231 Energy WMA smoke	V203 Energy WMA smoke
<b>Element type / Element type</b>		<b>Sidehung / Sidehængt</b>	<b>Tophung projecting / Topstvret</b>	<b>Casement door / Vinduesdør</b>	<b>Buttomhung / Bundhængt</b>
Opening direction / Åbningsretning		Outward / Udadgående	Outward / Udadgående	Outward / Udadgående	Outward / Udadgående
<b>Essential characteristics / Essentielle karakteristika</b>	Requirement Clause in EN 12100-2:2003				
Aerodynamic free area (standard size) [m <sup>2</sup> ] / Aerodynamisk fri areal (standard størrelse) [m <sup>2</sup> ]	6	0,66 <sup>1</sup> (1230x1480)	0,74 <sup>1</sup> (1230x1480)	0,88 <sup>1</sup> (1230x2180)	0,74 <sup>1</sup> (1230x1480)
Reliability / Pålidelighed	7.1	Re 1000	Re 1000	Re 1000	Re 1000
Low ambient temperature [°C] / Laveste omgivende temperatur [°C]	7.3	T(-05)	T(-05)	T(-05)	T(-05)
Wind load [Pa] / Vind last [Pa]	7.4	WL 3000	WL 3000	WL 3000	WL 3000
Resistance to heat / Varmemodstand	7.5	B 300	B 300	B 300	B 300
Reaction to fire classification / Omsætning af brand klassifikation	7.5.2.1				
Aluminium (Part of sash) / Aluminium (rammedel)		A1	A1	A1	A1
Profile "50.0257" (part of sash) / Profil "50.0257" (rammedel)		E	E	E	E
Wood (Frame) / Træ (karm)		F	F	F	F
Glass / Glas		A1	A1	A1	A1

<sup>1</sup> Calculation for aerodynamic free areal for specific sizes, can be found at VELFAC homepage / Beregning af aerodynamisk fri areal for specifikke størrelser kan findes på VELFAC hjemmesiden.



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**Harmonised technical specification**  
 Harmoniseret teknisk specifikation

EN 14351-1:2006 +A1:2010

**Notified Bodies / Notificerede organer**

**Chiltern Dynamics**, Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom  
**Teknologisk Institut**, Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Denmark  
**BM TRADA**, Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom

NB 1314  
 NB 1235  
 NB 1224

	V201 Energy WMA smoke	V212 Energy WMA smoke	V231 Energy WMA smoke	V203 Energy WMA smoke
<b>Element type / Element type</b>	<b>Sidehung / Sidehængt</b>	<b>Tophung projecting / Topstyret</b>	<b>Casement door / Vinduesdør</b>	<b>Buttomhung / Bundhængt</b>
Opening direction / Åbningsretning	Outward / Udadgående	Outward / Udadgående	Outward / Udadgående	Outward / Udadgående
<b>Watertightness / Vandtæthed</b>	<b>E1500 (1500 Pa)</b>	<b>E1500 (1500 Pa)</b>	<b>E1500 (1500 Pa)</b>	<b>E1500 (1500 Pa)</b>
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
Notified body / notificeret organ	NB 1224	NB 1224	NB 1224	NB 1224
Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse)	Chilt/P13173/05 February 2014 (1815*1100)	Chilt/P13173/01 February 2014 (1030*1800)	Chilt/P13173/07 February 2014 (2425*1100)	Chilt/P13173/11 February 2014 (1200*1000)
<b>Air permeability / Lufttæthed</b>	<b>Class 4 (600Pa)</b>	<b>Class 4 (600Pa)</b>	<b>Class 4 (600Pa)</b>	<b>Class 4 (600Pa)</b>
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
Notified body / notificeret organ	NB 1224	NB 1224	NB 1224	NB 1224
Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse)	Chilt/P13173/05 February 2014 (1815*1100)	Chilt/P13173/01 February 2014 (1030*1800)	Chilt/P13173/07 February 2014 (2425*1100)	Chilt/P13173/11 February 2014 (1200*1000)
<b>Resistance to wind load / Modstandsevne overfor vindlast</b>	<b>Class 4C (1600Pa)</b>	<b>Class 4C (1600Pa)</b>	<b>Class 4C (1600Pa)</b>	<b>Class 4C (1600Pa)</b>
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
Notified body / notificeret organ	NB 1224	NB 1224	NB 1224	NB 1224
Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse)	Chilt/P13173/05 February 2014 (1815*1100)	Chilt/P13173/04/A/Rev1 September 2013 (1255*1485)	Chilt/P13173/07 February 2014 (2425*1100)	Chilt/P13173/11 February 2014 (1200*1000)
<b>Thermal transmittance / Termisk transmissionskoefficient (element size: 1230*1480 - VELFAC standard pane)</b>	<b>0,82 (W/m2K)</b>	<b>0,82 (W/m2K)</b>	<b>0,82 (W/m2K)</b>	<b>0,82 (W/m2K)</b>
Test and Classification / Test og klassifikation	EN ISO 10077-2:2011	EN ISO 10077-2:2011	EN ISO 10077-2:2011	EN ISO 10077-2:2011
Notified body / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235
Test report, issue date / Test rapport, udgivelsesdato	0108/550524	0108/550524	0108/550524	0108/550524
<b>4.6 Dangerous substances / Farlige stoffer</b>	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
Test and Classification / Test og klassifikation	-	-	-	-
Notified body / notificeret organ	-	-	-	-
Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse)	-	-	-	-
<b>4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Test and Classification / Test og klassifikation	-	-	-	-
Notified body / notificeret organ	-	-	-	-
Test report, issue date (element size) / Test rapport, udgivelsesdato, (element størrelse)	-	-	-	-