



AENOR

Asociación Española de
Normalización y Certificación

CERTIFICADO AENOR DE PRODUCTO Nº 001 / 006502

AENOR PRODUCT CERTIFICATE Nº

Pg. 1/2
2015-11-03

La Asociación Española de Normalización y Certificación (AENOR) certifica que el producto
The Spanish Association for Standardisation and Certification (AENOR) certifies that the product

PERFILES DE POLI (CLORURO DE VINILO) NO PLASTIFICADO (PVC-U) PARA LA FABRICACIÓN DE VENTANAS Y DE PUERTAS

UNPLASTICIZED POLYVINYLCHLORIDE (PVC-U) PROFILES
FOR THE FABRICATION OF WINDOWS AND DOORS

detallado en la(s) página(s) siguiente(s),

detailed in the following page(s),

suministrado por

supplied by

DECEUNINCK PLASTICS INDUSTRIES
BRUGGESTEENWEG, 374
8800 ROESELARE (Bélgica)

y elaborado en

and manufactured in

BRUGGESTEENWEG, 164
B8830 HOOGLÉDE-GITS (Bélgica)

es conforme con

complies with

UNE-EN 12608:2003

Para conceder este Certificado, AENOR ha ensayado el producto y ha comprobado el sistema de la calidad aplicado para su elaboración. AENOR realiza estas actividades periódicamente mientras el Certificado no haya sido anulado, según se establece en el Reglamento Particular RP 01.17.

In order to grant this Certificate, AENOR has tested the product and has verified the quality system used in its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with the stipulations of the Specific Rules RP 01.17.

Fecha de concesión: **2015-11-03**
First issued on:

Fecha de caducidad: **2017-08-05**
Expires on:

AENOR

Asociación Española de
Normalización y Certificación


Avelino BRITO MARQUINA
Director General de AENOR
Chief Executive Officer

Este certificado anula y sustituye al certificado 001/005312, de fecha 2012-08-05.
No está autorizada la reproducción parcial de este documento.

This certificate supersedes certificate 001/005312, dated 2012-08-05.
The partial reproduction of this document is not permitted.



CERTIFICADO AENOR DE PRODUCTO Nº 001 / 006502
AENOR PRODUCT CERTIFICATE Nº

Pg. 2/2
2015-11-03

MARCA COMERCIAL: SERIE ZENDOW NEO PREMIUM
TRADEMARK:

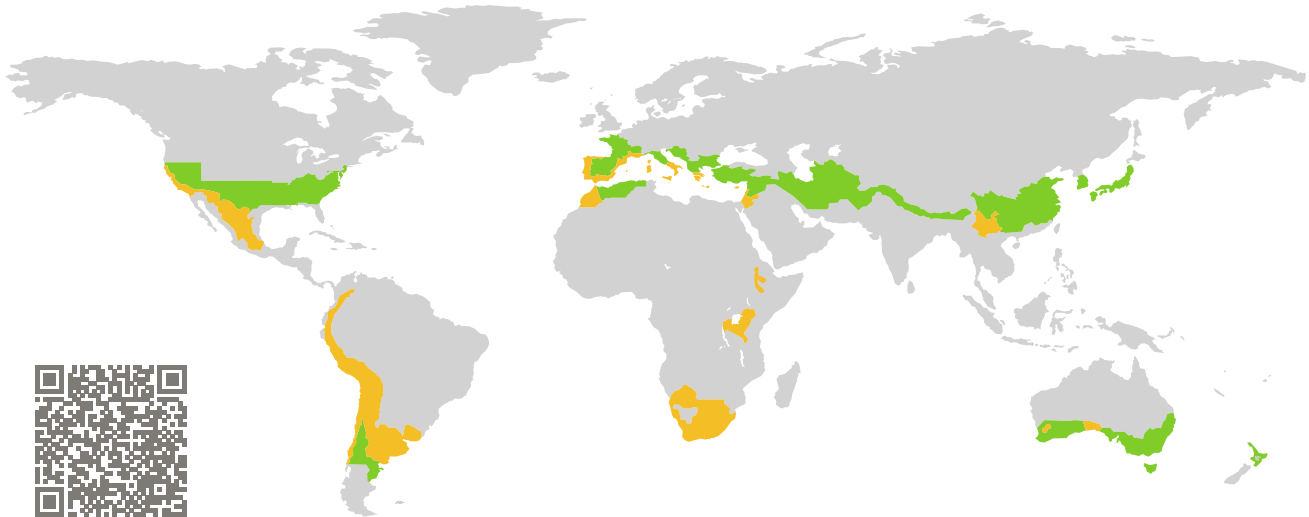
REFERENCIA	FIGURA	COLOR	GRUPO	CLASE (resistencia al impacto)	CLASE (espesor)
REFERENCE	FIGURE	COLOUR	GROUP	CLASS (resistance to impact)	CLASS (thickness)
3020	Junquillo	Blanco	Auxiliar	No aplica	No aplica
3024	Junquillo	Blanco	Auxiliar	No aplica	No aplica
3033	Junquillo	Blanco	Auxiliar	No aplica	No aplica
3077	Inversora	Blanco	Principal	II	B
3081	Travesaño	Blanco	Principal	I	B
3082	Travesaño	Blanco	Principal	II	B
3091	Travesaño	Blanco	Principal	I	B
3146	Hoja	Blanco	Principal	II	B
3300	Ampliador	Blanco	Auxiliar	I	B
3302	Ampliador	Blanco	Auxiliar	I	B
3305	Cortavientos	Blanco	Auxiliar	No aplica	No aplica
3306	Vierteaguas	Blanco	Auxiliar	No aplica	No aplica
3335	Peana	Blanco	Auxiliar	No aplica	No aplica
3342	Tapajuntas	Blanco	Auxiliar	No aplica	No aplica
3343	Tapajuntas	Blanco	Auxiliar	No aplica	No aplica
5000	Marco	Blanco	Principal	II	B
5001	Marco	Blanco	Principal	II	B
5040	Hoja	Blanco	Principal	II	B
5041	Hoja	Blanco	Principal	II	B
5042	Hoja	Blanco	Principal	II	B
5049	Hoja puerta	Blanco	Principal	II	A
5069	Hoja	Blanco	Principal	II	A
5510	Hoja	Blanco	Principal	II	A
5511	Hoja	Blanco	Principal	II	A
5512	Hoja puerta	Blanco	Principal	II	A
5513	Hoja puerta	Blanco	Principal	II	A
5534	Travesaño	Blanco	Principal	II	B
5535	Travesaño	Blanco	Principal	II	B
5536	Inversora	Blanco	Principal	II	B

CERTIFICATE

Certified Passive House Component

Component-ID 0939wi04 valid until 31st December 2016

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

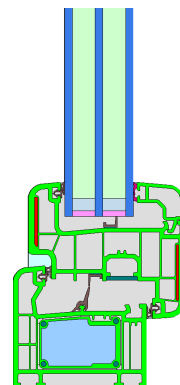


Category: **Window frame**
Manufacturer: **Deceuninck N.V.,
Borox (Toledo),
Spain**
Product name: **Zendow#neo Premium**

**This certificate was awarded based on the following
criteria for the warm, temperate climate zone**

Comfort $U_W = 1.00 \leq 1.00 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{W, \text{ installed}} \leq 1.05 \text{ W}/(\text{m}^2 \text{ K})$
mit $U_g = 0.90 \text{ W}/(\text{m}^2 \text{ K})$

Hygiene $f_{Rsi=0.25} \geq 0.65$



Passive House
efficiency class

phE

phD

phC

phB

phA

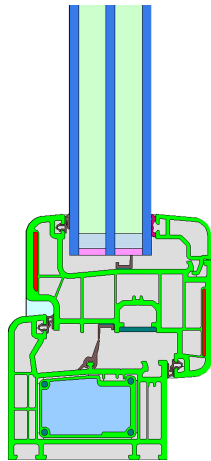
www.passivehouse.com

warm, temperate climate

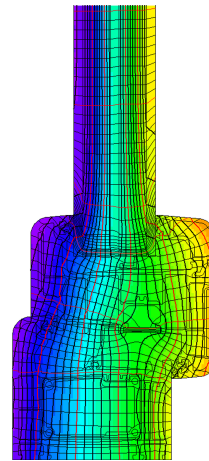


**CERTIFIED
COMPONENT**

Passive House Institute



Calculation model



Isothermal

Description

Construction: PVC-cavity-profile with glass-fibre reinforcements within the sash and steel-inlays within the PVC-foam filled blind-frame reinforcement. Pane thickness: 36 mm (4/12/4/12/4), rebate depth: 18 mm, spacer: SWISSPACER Ultimate

Explanation

The window U-values were calculated for the test window size of 1.23 m × 1.48 m with $U_g = 0.70 \text{ W}/(\text{m}^2 \text{ K})$. If a higher quality glazing is used, the window U-values will improve as follows:

Glazing	$U_g =$	0.90	0.80	0.70	0.64	$\text{W}/(\text{m}^2 \text{ K})$
		↓	↓	↓	↓	
Window	$U_W =$	1.00	0.93	0.86	0.82	$\text{W}/(\text{m}^2 \text{ K})$

Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense to use a component of a higher thermal quality which has been certified for a climate zone with more stringent requirements.

Further information relating to certification can be found on www.passivehouse.com and passipedia.org.

Frame values			Frame width b_f mm	U -value frame U_f W/(m ² K)	Ψ -glass edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		108	1.03	0.026	0.69
Side	(s)		108	1.03	0.026	0.69
Bottom	(bo)		108	1.03	0.026	0.69
Mullion 1 casement	(m1)		148	0.94	0.027	0.68
Spacer: SWISSPACER Ultimate			Secondary seal: Polysulfide			

Validated installations

Cavity wall		Ventilated facade		EIFS	
Ψ_{install}	W/(m K)	Ψ_{install}	W/(m K)	Ψ_{install}	W/(m K)
Top	0.001	Top	-0.003	Top	-0.002
Left	0.001	Left	-0.003	Left	-0.002
Right	0.001	Right	-0.003	Right	-0.002
Bottom	0.013	Bottom	0.013	Bottom	0.014
$U_{W,\text{installed}} = 1.01 \text{ W/(m}^2 \text{ K)}$		$U_{W,\text{installed}} = 1.01 \text{ W/(m}^2 \text{ K)}$		$U_{W,\text{installed}} = 1.01 \text{ W/(m}^2 \text{ K)}$	

