

**rationel**<sup>®</sup>www.rationel.dk/DOP  
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www.rationel.ie/DOP**Declaration of Performance / Ydeevnedeklaration****PATUS**

Date / Dato Herring, 2013/07/01

Revision DOP-Z-2013/07/01

The performance of the facade windows and the facade doors in the product serie PATUS are in conformity with the declared in following pages.  
This declaration of performance is issued under the sole responsibility of Rationel Vinduer A/S.

Ydeevnen for facadevinduerne og facadedørene i produktserien PATUS er i overensstemmelse med de deklarerede ydeevner i tabellerne på de følgende sider.  
Denne ydeevnedeklaration udstedes på eneansvar af Rationel Vinduer A/S.

Signed on behalf of Rationel Vinduer A/S:

Underskrevet på vegne af Rationel Vinduer A/S:

**Kurt Bering Sørensen**  
CEO, Administrerende Direktør**Harmonised technical specification****EN 14351-1:2006 +A1:2010****Harmoniseret teknisk specifikation**

Type of construction product facade windows and the facade doors

Byggevaretype facadevinduerne og facadedøre

Construction product identification

**PATUS**

Byggevareridentifikation

Intended use

For domestic and commercial buildings

Byggevarens tilsigtede anvendelse

Til boliger og erhvervsbygninger

Manufacturer

**Rationel Vinduer A/S**

Producent

Manufacturer, adress

Dalgas Allé 7, 7400 Herning, DK - Denmark

Producent, adresse

Name and address of authorised representative

N/A

Navn og adresse på bemyndiget repræsentant

System of assessment and verification of constancy of performance of the construction product

(AVCP) System 3

Systemerne for vurdering af kontrol af konstansen af byggevarens ydeevne

**Notified Bodies / Notificerede organer****Teknologisk Institut,**

Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Danmark

**NB 1235****SP Sveriges Tekniska Forskningsinstitut AB**

Box 857 , 501 15 BORAS, Sweden

**NB 0402****DELTA**

Venlighedsvej 4, 2970 Hørsholm, Danmark

**NB 0199**

**Declaration of Performance / Ydeevnedeklaration PATUS**

DOP-Z-2013/07/01

Element type	Fixed window	Topguided	Sidehung	Sideguided	Terrace door	Terrace door	Entrance door	Entrance door
Opening direction	-	Outward	Outward	Outward	Inward opening	Outward	Inward opening	Outward
<b>Element type</b>	<b>Fast vindue</b>	<b>Topstyret</b>	<b>Sidehængt</b>	<b>Sidestyret</b>	<b>Terrassedør</b>	<b>Terrassedør</b>	<b>Rammedør</b>	<b>Rammedør</b>
Åbningsretning	-	Udadgående	Udadgående	Udadgående	Indadgående	Udadgående	Indadgående	Udadgående
<b>4.2 Resistance to wind load / Modstandsevne overfor vindlast</b>	<b>1600Pa (4C)</b>	<b>1600Pa (4C)</b>	<b>1600Pa (4C)</b>	<b>1600Pa (4C)</b>	<b>1600Pa (4C)</b>	<b>1600Pa (4C)</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	EN 12211:2000 EN 12210:2000	EN 12211:2000 EN 12210:2000		
Notified body / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235		
Test report, issue date / Test rapport, udgivelsesdato	1004825 217929 Rationel - Patus Fast karm, 25/10/2007	1004930 217929 Rationel PatusTopstyret, 25/10/2007	1005054 222046 Rationel Patus Dannebrogsvindue, 25/10/2007	1063647 248223 Rationel Sidestyret vindue i træ, 07/03/2008	1015458/230954, 01/11/2007	1015428/230954, 01/11/2007		
<b>4.4 Fire characteristics / Brandegenskaber</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
<b>4.5 Watertightness / Vandtæthed</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
<b>4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne</b>	<b>N/A</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>4.11 Acoustic performance / Akustisk ydeevne</b>	<b>Rw (C;Ctr)</b>	<b>Rw (C;Ctr)</b>	<b>Rw (C;Ctr)</b>	<b>Rw (C;Ctr)</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>	<b>NPD</b>
Test and Classification / Test og klassifikation	EN 140-3:1995, EN 717-1:1996+A1:2006	EN 140-3:1995, EN 717-1:1996+A1:2006	EN 140-3:1995, EN 717-1:1996+A1:2006	EN 140-3:1995, EN 717-1:1996+A1:2006				
Notified body / notificeret organ	NB 0199	NB 0199	NB 0199	NB 0199				
Test report, issue date / Test rapport, udgivelsesdato	AV 217/08, A580982, 26/10/2008	AV 216/08, A580982, 28/10/2008	AV 216/08, A580982, 28/10/2008	AV 216/08, A580982, 28/10/2008				
4-18-4 Clear/Energi WE w. argon	32 (-2;-6)	33 (-2;-6)	33 (-2;-6)	33 (-2;-6)				
6-16-4 Clear/Energi WE w. argon	35 (-2;-6)	36 (-2;-6)	36 (-2;-6)	36 (-2;-6)				
8-12-6 Clear/Energi WE w. argon	35 (-1;-3)	36 (-1;-3)	36 (-1;-3)	36 (-1;-3)				
8-14-4 Clear/Energi WE w. argon	35 (-1;-5)	36 (-1;-5)	36 (-1;-5)	36 (-1;-5)				
4-16-3/0,38/3 Clear/Laminated Energy WE w. argon	35 (-3;-7)	36 (-3;-7)	36 (-3;-7)	36 (-3;-7)				
4/0,76/4-12-6 Laminated Sound/Clear WE w. argon	38 (-1;-5)	39 (-1;-5)	39 (-1;-5)	39 (-1;-5)				
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.				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	Thermal transmissionskoefficient (4.12) og strålingsegenskaber (4.13) for et specifikt produkt er angivet på tilbud/ordrebekræftelse i overensstemmelse med EN 14351-1:2006 + A1:2010, Tabel E.2, Note d.				Thermal transmissionskoefficient (4.12) og strålingsegenskaber (4.13) for et specifikt produkt er angivet på tilbud/ordrebekræftelse i overensstemmelse med EN 14351-1:2006 + A1:2010, Tabel E.2, Note d.			
<b>4.12 Thermal transmittance / Termisk transmissionskoefficient</b>	<b>1,27 (W/m2K)</b>	<b>1,33 (W/m2K)</b>	<b>1,33 (W/m2K)</b>	<b>1,33 (W/m2K)</b>	<b>1,51 (W/m2K)</b>	<b>1,40 (W/m2K)</b>	<b>1,51 (W/m2K)</b>	<b>1,40 (W/m2K)</b>
Test and Classification / Test og klassifikation	EN ISO 10077-2:2003	EN ISO 10077-2:2003	EN ISO 10077-2:2003	EN ISO 10077-2:2003	EN ISO 10077-2:2003	EN ISO 10077-2:2003	EN ISO 10077-2:2003	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	422499 Rationel PATUS 2-lags ITT, 02/05/2011	422499 Rationel PATUS 2-lags ITT, 02/05/2011	422499 Rationel PATUS 2-lags ITT, 02/05/2011	422499 Rationel PATUS 2-lags ITT, 02/05/2011	1016405 231441 Beregningsrapport ITT, 22/10/2007	422499 Rationel PATUS 2-lags ITT, 02/05/2011	1016405 231441 Beregningsrapport ITT, 22/10/2007	422499 Rationel PATUS 2-lags ITT, 02/05/2011
<b>4.13 Radiation properties / Strålingsegenskaber</b>	<b>g 0,63 LT 0,80</b>	<b>g 0,63 LT 0,80</b>	<b>g 0,63 LT 0,80</b>	<b>g 0,63 LT 0,80</b>	<b>g 0,62 LT 0,80</b>	<b>g 0,63 LT 0,80</b>	<b>g 0,62 LT 0,80</b>	<b>g 0,63 LT 0,80</b>
<b>4.14 Air permeability / Lufttæthed</b>	<b>600Pa (4)</b>	<b>600Pa (4)</b>	<b>600Pa (4)</b>	<b>600Pa (4)</b>	<b>600Pa (4)</b>	<b>600Pa (4)</b>	<b>NPD</b>	<b>NPD</b>
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		
Notified body / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235		
Test report, issue date / Test rapport, udgivelsesdato	1004825 217929 Rationel - Patus Fast karm, 25/10/2007	1004930 217929 Rationel PatusTopstyret, 25/10/2007	1063647 248223 Rationel Sidestyret vindue i træ,	1063647 248223 Rationel Sidestyret vindue i træ, 07/03/2008	1015458/230954, 01/11/2007	1015428/230954, 01/11/2007		
<b>4.18 Ventilation</b>								
Test and Classification / Test og klassifikation	EN 13141-1:2004	EN 13141-1:2004	EN 13141-1:2004	EN 13141-1:2004	-	EN 13141-1:2004	-	EN 13141-1:2004
Notified body / notificeret organ	NB 0402	NB 0402	NB 0402	NB 0402	-	NB 0402	-	NB 0402
Test report, issue date / Test rapport, udgivelsesdato	ETK P703299, rev. 24/01/2008	ETK P703299, rev. 24/01/2008	ETK P703299, rev. 24/01/2008	ETK P703299, rev. 24/01/2008	-	ETK P703299, rev. 24/01/2008	-	ETK P703299, rev. 24/01/2008
<b>Push vents positioned in jamb reveal / Ventil placeret i indvendig karmkant</b>								
Egenskab for luftstrøm: K	1,7901	1,7901	1,7901	1,7901	-	-	-	-
Luftstrømskoefficient: n	0,5169	0,5169	0,5169	0,5169	-	-	-	-
Air flow / luftstrøm @ 4 Pa [m3/h]	13,3	13,3	13,3	13,3	-	-	-	-
Air flow / luftstrøm @ 8 Pa [m3/h]	18,7 - 26,3	18,7 - 26,3	18,7 - 26,3	18,7 - 26,3	-	-	-	-
Air flow / luftstrøm @ 10 Pa [m3/h]	21,1 - 38,3	21,1 - 38,3	21,1 - 38,3	21,1 - 38,3	-	-	-	-
Air flow / luftstrøm @ 20 Pa [m3/h]	30,5 - 69,9	30,5 - 69,9	30,5 - 69,9	30,5 - 69,9	-	-	-	-
<b>Push vent positioned in internal face / Ventil placeret i lysning</b>								
Egenskab for luftstrøm: K	1,7821	1,7821	1,7821	1,7821	-	1,7821	-	1,7821
Luftstrømskoefficient: n	0,5299	0,5299	0,5299	0,5299	-	0,5299	-	0,5299
Air flow / luftstrøm @ 4 Pa [m3/h]	13,3	13,3	13,3	13,3	-	13,3	-	13,3
Air flow / luftstrøm @ 8 Pa [m3/h]	19,5 - 27,2	19,5 - 27,2	19,5 - 27,2	19,5 - 27,2	-	19,5 - 27,2	-	19,5 - 27,2
Air flow / luftstrøm @ 10 Pa [m3/h]	22,1 - 32,1	22,1 - 32,1	22,1 - 32,1	22,1 - 32,1	-	22,1 - 32,1	-	22,1 - 32,1
Air flow / luftstrøm @ 20 Pa [m3/h]	31,7 - 72,1	31,7 - 72,1	31,7 - 72,1	31,7 - 72,1	-	31,7 - 72,1	-	31,7 - 72,1