



Declaration of Performance / Ydeevnedeklaration **Rationel AURA, triple glazed / tre-lags**

Date / Dato	Herning, 2015/05/12
Revision	DOP-EA-2015/05/12

The performance of the facade windows and the facade doors in the product serie Rationel AURA, triple glazed / tre-lags 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 Rationel AURA, triple glazed / tre-lags 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:


Thomas Tvedergaard Larsen
CEO, Administrerende Direktør

Harmonised technical specification **EN 14351-1:2006 +A1:2010**
Harmoniseret teknisk specifikation

Type of construction product Byggevaretype	facade windows and the facade doors facadevinduerne og facadedøre
Construction product identification Byggevareidentifikation	Rationel AURA, triple glazed / tre-lags
Intended use Byggevarens tilsigtede anvendelse	For domestic and commercial buildings Til boliger og erhvervsbygninger
Manufacturer Producent	Rationel Vinduer A/S
Manufacturer, adress Producent, adresse	Dalgas Allé 7, 7400 Herning, DK - 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, Danmark	NB 1235

Declaration of Performance / Ydeevnedeklaration Rationel AURA, triple glazed / tre-lags

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Element type	Fixed window	Topguided	Sidehung	Sideguided	Sideswing	Fully reversible	Window door
Opening direction	-	Outward	Outward	Outward	Outward	Outward	Outward
Element type	Fast vindue	Topstyret	Sidehængt	Sidestyret	Sidevende	Vendevindue	Vinduesdør
Åbningsretning	-	Udadgående	Udadgående	Udadgående	Udadgående	Udadgående	Udadgående
4.2 Resistance to wind load / Modstandsevne overfor vindlast	1600Pa (4C)	1600Pa (4B)	1600Pa (4B)	1600Pa (4C)	1600Pa (4C)	1600Pa (4C)	1600Pa (4C)
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 / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013	Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 2013 02-13	Chilt/P12056/17 February 2013
4.5 Watertightness /Vandtæthed	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)
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 / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013	Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 2013 02-13	Chilt/P12056/17 February 2013
4.6 Dangerous substances / Farlige stoffer	None	None	None	None	None	None	None
4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne	N/A	Passed (optional)	Passed (optional)	Passed (optional)	Passed (optional)	Passed	N/A
Test and Classification / Test og klassifikation	-	EN14609:2004	EN14609:2004	EN14609:2004	EN14609:2004	EN14609:2004	-
Notified body / notificeret organ	-	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	-
Test report, issue date / Test rapport, udgivelsesdato	-	Chilt/P13059, 2013-03-25	Chilt/P13059, 2013-03-25	Chilt/P13059, 2013-03-25	Chilt/P13059, 2013-03-25	Chilt/P12056/12 2013- 02-13 Chilt/P13059, 2013-03-25	-
4.11 Acoustic performance / Akustisk ydeevne	NPD	See table below, Se tabel nedenfor Rw (C;Ctr)					NPD
Test and Classification / Test og klassifikation		EN ISO 10140- 2:2010	EN ISO 10140- 2:2010	EN ISO 10140- 2:2010	EN ISO 10140- 2:2010	EN ISO 10140- 2:2010	
Notified body / notificeret organ		NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	
Test report, issue date / Test rapport, udgivelsesdato		Chilt/Z12014/Bc/Ar1	Chilt/Z12014/Bc/Ar1	Chilt/Z12014/Bc/Ar1	Chilt/Z12014/Bc/Ar1	Chilt/Z12014/Bc/Ar1	
4-20-4-18-6 Energi/Klar/Energi WE med Argon, 521102001		38 (-1;-5) dB	38 (-1;-5) dB	38 (-1;-5) dB	38 (-1;-5) dB	38 (-1;-5) dB	
4-20-4-18-6,4 Hærdet Energi/klar/Lamineret Energi WE med Argon, 521122003		39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) dB	
4-20-4-20-4 Energi/Klar/Energi WE med Argon, 521102000		34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	34 (-1;-5) dB	
4-20-4-18-6,8 Hærdet Energi/klar/Lamineret Energi WE med Argon, 521122004		39 (-3;-8) dB	39 (-3;-8) dB	39 (-3;-8) dB	39 (-3;-8) dB	39 (-3;-8) dB	
6-18-4-16-8,8 Hærdet Energi/klar/Lamineret Lyd Energi WE med Argon, 521122110		42 (-1;-5) dB	42 (-1;-5) dB	42 (-1;-5) dB	42 (-1;-5) dB	42 (-1;-5) dB	
4-18-4-18-8,8 Energi/Klar/Lamineret Lyd Energi WE med Argon, 521102010		40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	
6,8-16-4-16-8,8 Lamineret Energi/Klar/Lamineret Energi WE med Argon, 521112330		40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	40 (-1;-5) dB	
4-18-4-16-9,5 Energi/Klar/Lamineret Energi WE med Argon, 5211002007		39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) dB	39 (-1;-5) 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	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.						
4.12 Thermal transmittance / Termisk transmissionskoefficient	0,70 (W/m2K)	0,79 (W/m2K)	0,79 (W/m2K)	0,79 (W/m2K)	0,79 (W/m2K)	0,79 (W/m2K)	0,79 (W/m2K)
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	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	NB 1235	NB 1235	NB 1235
Test report, issue date / Test rapport, udgivelsesdato	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14	516699 rationel AURA (3) ITC, 2013-05-14
4.13 Radiation properties / Strålingsegenskaber	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72
4.14 Air permeability / Lufttæthed	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)	600Pa (4)
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	EN1026:2000 EN12207:2000
Notified body / notificeret organ	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato	Chilt/p12056/11 February 2013	Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/22 2013 02-13	Chilt/P12056/17 February 2013
4.16 Operating forces / Betjeningskraft	N/A	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Test and Classification / Test og klassifikation		EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2001	EN12046-1:2003 EN13115:2001
Notified body / notificeret organ		NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 2013-02-13	Chilt/P12056/15 February 2014
4.17 Mechanical strength / Mekanisk styrke		Class 3	Class 3	Class 3	Class 3	Class 3	Class 3
Test and Classification / Test og klassifikation		EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2001	EN14608:2004 EN14609:2004 EN13115:2001
Notified body / notificeret organ		NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 2013-02-13	Chilt/P12056/15 February 2014
4.21 Resistance to repeated opening and closing / Modstandsevne for gentagen åbning og lukning	N/A	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3	20.000 Class 3
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 / Test rapport, udgivelsesdato		Chilt/P12056/09/A 2013-02-13	Chilt/P12056/10 February 2013	Chilt/p12056/13 February 2013	Chilt/p12056/13 February 2013	Chilt/P12056/12 2013-02-13	Chilt/P12056/15 February 2014

Declaration of Performance / Ydeevndeklaration Rationel AURA, triple glazed / tre-lags					
			DOP-EA-2015/05/12		
Element type	Terrace door	Terrace door	Entrance door	Entrance door	Panelled door
Opening direction	Inward opening	Outward	Inward opening	Outward	Inward opening
Element type	Terrassedør	Terrassedør	Rammedør	Rammedør	Pladedør
Åbningsretning	Indadgående	Udadgående	Indadgående	Udadgående	Indadgående
4.2 Resistance to wind load / Modstandsevne overfor vindlast	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
4.5 Watertightness / Vandtæthed	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
4.6 Dangerous substances / Farlige stoffer	None	None	None	None	None
4.8 Load-bearing capacity of safety devices / Sikkerhedsudstyrs bæreevne	N/A	N/A	N/A	N/A	N/A
Test and Classification / Test og klassifikation	-	-	-	-	-
Notified body / notificeret organ	-	-	-	-	-
Test report, issue date / Test rapport, udgivelsesdato	-	-	-	-	-
4.11 Acoustic performance / Akustisk ydeevne	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
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	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.				
4.12 Thermal transmittance / Termisk transmissionskoefficient	0,84 (W/m²K)	0,81 (W/m²K)	0,84 (W/m²K)	0,81 (W/m²K)	0,61 (W/m²K)
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
Notified body / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235
Test report, issue date / Test rapport, udgivelsesdato	0108/478300, 2012-05-30	0108/478300, 2012-05-30	0108/478300, 2012-05-30	0108/478300, 2012-05-30	0108/478300, 2012-05-30
4.13 Radiation properties / Strålingsegenskaber	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	g 0,51 LT 0,72	-
4.14 Air permeability / Lufttæthed	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
4.16 Operating forces / Betjeningskraft	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
4.17 Mechanical strength / Mekanisk styrke	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					
4.21 Resistance to repeated opening and closing / Modstandsevne for gentagen åbning og lukning	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation					
Notified body / notificeret organ					
Test report, issue date / Test rapport, udgivelsesdato					