

**rational**[®]www.rational.dk/DOP
www.rational.co.uk/DOP
www.rational.ie/DOP**Declaration of Performance / Ydeevnedeklaration** **Rational AURAPLUS, triple glazed / tre-lags**

Date / Dato Herring, 2013/07/01

Revision DOP-EB-2013/07/01

The performance of the facade windows and the facade doors in the product serie Rational AURAPLUS, triple glazed / tre-lags are in conformity with the declared in following pages.

This declaration of performance is issued under the sole responsibility of Rational Vinduer A/S.

Ydeevnen for facadevinduerne og facadedøre i produktserien Rational AURAPLUS, triple glazed / tre-lags er i overensstemmelse med de deklarerede ydeevner i tabellerne på de følgende sider.

Denne ydeevnedeklaration udstedes på eneansvar af Rational Vinduer A/S.

Signed on behalf of Rational Vinduer A/S:

Underskrevet på vegne af Rational 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 **Rational AURAPLUS, triple glazed / tre-lags**
Byggevareidentifikation

Intended use For domestic and commercial buildings
Byggevarens tilsigtede anvendelse Til boliger og erhvervsbygninger

Manufacturer **Rational Vinduer A/S**
Producent

Manufacturer, adress Dalgas Allé 7, 7400 Herring, 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

Chiltern Dynamics, **NB 1314**
Chiltern House, Stocking Lane, Hughenden Valley,
High Wycombe, HP14 4ND, United Kingdom

Teknologisk Institut, **NB 1235**
Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Danmark

Declaration of Performance / Ydeevnedeklaration Rationel AURAPLUS, triple glazed / tre-lags **DOP-EB-2013/07/01**

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
4.8 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	-	EN 14609:2004	EN 14609:2004	EN 14609:2004	EN 14609:2004	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/Dc/Ar1	Chilt/Z12014/Dc/Ar1	Chilt/Z12014/Dc/Ar1	Chilt/Z12014/Dc/Ar1	Chilt/Z12014/Dc/Ar1	
4-20-4-18-6 Energi/Klar/Energi WE med Argon, 521102001		39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) dB	39 (-1;-6) 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		33 (-3;-5) dB	33 (-3;-5) dB	33 (-3;-5) dB	33 (-3;-5) dB	33 (-3;-5) dB	
4-20-4-18-6,8 Hærdet Energi/Klar/Lamineret Energi WE med Argon, 521122004		39 (-2;-7) dB	39 (-2;-7) dB	39 (-2;-7) dB	39 (-2;-7) dB	39 (-2;-7) dB	
6-18-4-16-8,8 Hærdet Energi/Klar/Lamineret Lyd Energi WE med Argon, 521122110		41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	41 (-1;-5) dB	
4-18-4-18-8,8 Energi/Klar/Lamineret Lyd Energi WE med Argon, 521102010		40 (0;-5) dB	40 (0;-5) dB	40 (0;-5) dB	40 (0;-5) dB	40 (0;-5) dB	
6,8-16-4-16-8,8 Lamineret Energi/Klar/Lamineret Energi WE med Argon, 521112310		42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	42 (-1;-4) dB	
4-18-4-16-9,5 Energi/Klar/Lamineret Energi WE med Argon, 5211002007		39 (0;-4) dB	39 (0;-4) dB	39 (0;-4) dB	39 (0;-4) dB	39 (0;-4) 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 AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (3) ITC, 2013-05-14	516699 Rationel AURAPLUS (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 / Ydeevnedeklaration Rationel AURAPLUS, triple glazed / tre-lags							DOP-EB-2013/07/01
Element type	Terrace door	Terrace door	Entrance door	Entrance door	Panelled door	Panelled door	
Opening direction	Inward opening	Outward	Inward opening	Outward	Inward opening	Outward	
Element type	Terrassedør	Terrassedør	Rammedør	Rammedør	Pladedør	Pladedør	
Åbningsretning	Indadgående	Udadgående	Indadgående	Udadgående	Indadgående	Udadgående	
4.2 Resistance to wind load / Modstandsevne overfor vindlast	NPD	NPD	NPD	NPD	NPD	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret organ							
Test report, issue date / Test rapport, udgivelsesdato							
4.5 Watertightness / Vandtæthed	NPD	NPD	NPD	NPD	NPD	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret organ							
Test report, issue date / Test rapport, udgivelsesdato							
4.8 Load-bearing capacity of safety devices / Sikkerhedsudstørs bæreevne	N/A	N/A	N/A	N/A	N/A	N/A	
Test and Classification / Test og klassifikation	-	-	-	-	-	-	
Notified body / noticeret organ	-	-	-	-	-	-	
Test report, issue date / Test rapport, udgivelsesdato	-	-	-	-	-	-	
4.11 Acoustic performance / Akustisk ydeevne	NPD	NPD	NPD	NPD	NPD	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret 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/ordrekræftelse 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)	0,59 (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	EN ISO 10077-2:2003	
Notified body / noticeret organ	NB 1235	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	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	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret organ							
Test report, issue date / Test rapport, udgivelsesdato							
4.16 Operating forces / Betjeningskraft	NPD	NPD	NPD	NPD	NPD	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret organ							
Test report, issue date / Test rapport, udgivelsesdato							
4.17 Mechanical strength / Mekanisk styrke	NPD	NPD	NPD	NPD	NPD	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret 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	NPD	
Test and Classification / Test og klassifikation							
Notified body / noticeret organ							
Test report, issue date / Test rapport, udgivelsesdato							