



www.rationel.dk/DOP  
www.rationel.co.uk/DOP  
www.rationel.ie/DOP

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


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

The performance of the facade windows and the facade doors in the product serie Rationel 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 Rationel Vinduer A/S.

Ydeevnen for facadevinduerne og facadedørene i produktserien Rationel AURAPLUS, 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

<b>Harmonised technical specication</b>	<b>EN 14351-1:2006 +A1:2010</b>
<b>Harmoniseret teknisk specifikation</b>	
Type of construction product	facade windows and the facade doors
Byggevaretype	facadevinduerne og facadedøre
Construction product identification	<b>Rationel AURAPLUS, triple glazed / tre-lags</b>
Byggevareidentifikation	
Intended use	For domestic and commercial buildings
Byggevarens tilsigtede anvendelse	Til boliger og erhvervsbygninger
Manufacturer	<b>Rationel Vinduer A/S</b>
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	
<b>Notified Bodies / Notificerede organer</b>	
<b>Chiltern International Fire Limited, trading as BM TRADA</b>	<b>NB 1314</b>
Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom	
<b>Teknologisk Institut,</b>	<b>NB 1235</b>
Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Danmark	

Declaration of Performance / Ydeevnedeklaration Rationel AURAPLUS, triple glazed / tre-lags							DOP-EB-2015/05/12
Element type	Fixed window	Topguided	Sidehung	Sideguided	Sideswing	Inward opening window	Window door
Opening direction	-	Outward	Outward	Outward	Outward	Inward opening	Outward
Element type	Fast vindue	Topstyret	Sidehængt	Sidestyret	Sidevende	Sidebundhængt	Vinduesdør
Åbningsretning	-	Udadgående	Udadgående	Udadgående	Udadgående	Indadgående	Udadgående
4.2 Resistance to wind load / Modstandsevne overfor vindlast	1600Pa (4C)	1600Pa (4B)	1600Pa (4B)	1600Pa (4C)	1600Pa (4C)	1200 (C3)	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 1235	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	0301/599861	Chilt/P12056/17 February 2013
Tested size (frame width x height, WxH)							
4.5 Watertightness / Vandtæthed	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	1200Pa (E1200)	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 1235	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	0301/599861	Chilt/P12056/17 February 2013
Tested size (frame width x height, WxH)							
4.6 Dangerous substances / Farlige stoffer	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)	N/A	N/A
Test and Classification / Test og klassifikation	-	EN 14609:2004	EN 14609:2004	EN 14609:2004	EN 14609:2004	-	-
Notified body / notificeret organ	-	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	-	-
4.11 Acoustic performance / Akustisk ydeevne	NPD	See table below, Se tabel nedenfor Rw (C;Ctr)				NPD	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	-	-
Notified body / notificeret organ		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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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	-	-
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)	0,84 (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	0108/587719	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 1235	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	0301/599861	Chilt/P12056/17 February 2013
Tested size (frame width x height, WxH)							
4.16 Operating forces / Betjeningskraft	N/A	Class 1	Class 1	Class 1	Class 1	NPD	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
Notified body / notificeret organ		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/P12056/15 February 2014
Tested size (frame width x height, WxH)							
4.17 Mechanical strength / Mekanisk styrke		Class 3	Class 3	Class 3	Class 3	NPD	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
Notified body / notificeret organ		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/P12056/15 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	NPD	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
Notified body / notificeret organ		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/P12056/15 February 2014
Tested size (frame width x height, WxH)							
4.23 Burglar resistance / Indbrudssikkerhed	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation							
Notified body / notificeret organ							
Test report, issue date / Test rapport, udgivelsesdato							
Tested size (frame width x height, WxH)							

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

DOP-EB-2015/05/12

Element type	Terrace door	Terrace door	Window door	Terrace door	Entrance door	Entrance door	Entrance door	Entrance door	Panelled door	Panelled door
Opening direction	Inward opening	Inward opening, 2-leafed	Outward	Outward, 2-leafed	Inward opening	Inward opening, 2-leafed	Outward	Outward, 2-leafed	Inward opening	Outward
Element type	Terrassedør	Terrassedør	Vinduesdør	Terrassedør	Rammedør	Rammedør	Rammedør	Rammedør	Pladedør	Pladedør
Åbningsretning	Indadgående	Indadgående, 2-fløjet	Udadgående	Udadgående, 2-fløjet	Indadgående	Indadgående, 2-fløjet	Udadgående	Udadgående, 2-fløjet	Indadgående	Udadgående
4.2 Resistance to wind load / Modstandsevne overfor vindlast	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)	1600Pa (C4)
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	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	0	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato	BMT/MTP/F14127/12, October 2014	BMT/MTP/F14127/09, October 2014	BMT/MTP/F13170/10/A	BMT/MTP/F13170/07/D	BMT/MTP/F14127/06/A	BMT/MTP/F14127/03/A	BMT/MTP/F13170/04/Rev 2/C, August 2014	BMTMTP/F13170/01/Rev 2, August 2014	BMT/MTP/F14127/06/A	BMT/MTP/F13170/04/Rev2/C, August 2014
Tested size (frame width x height, WxH)	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1200x2400mm
4.5 Watertightness /Vandtæthed	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	600Pa (9A)	300Pa (7A)	300Pa (7A)	300Pa (7A)	600Pa (9A)	300Pa (7A)
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 12211:2000 EN 12210:2000	EN 1027:2000 EN 12208:2000	EN 1027:2000 EN 12208:2000	EN 12211:2000 EN 12210:2000
Notified body / notificeret organ	NB 1314	NB 1314	0	NB 1314	NB 1314	1880x2190mm	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato	BMT/MTP/F14127/12, October 2014	BMT/MTP/F14127/09, October 2014	BMT/MTP/F13170/10/A	BMT/MTP/F13170/07/D	BMT/MTP/F14127/06/A	BMT/MTP/F14127/03/A	BMT/MTP/F13170/04/Rev 2/C, August 2014	BMTMTP/F13170/01/Rev 2, August 2014	BMT/MTP/F14127/06/A	BMT/MTP/F13170/04/Rev2/C, August 2014
Tested size (frame width x height, WxH)	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1200x2400mm
4.6 Dangerous substances / Farlige stoffer	None	None	None	None	None	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	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	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)	0,81 (W/m2K)	0,81 (W/m2K)	0,84 (W/m2K)	0,84 (W/m2K)	0,81 (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	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 / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235	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	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	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)	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	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000	EN1026:2000 EN12207:2000
Notified body / notificeret organ	NB 1314	NB 1314	0	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314	NB 1314
Test report, issue date / Test rapport, udgivelsesdato	BMT/MTP/F14127/12, October 2014	BMT/MTP/F14127/09, October 2014	BMT/MTP/F13170/10/A	BMT/MTP/F13170/07/D	BMT/MTP/F14127/06/A	BMT/MTP/F14127/03/A	BMT/MTP/F13170/04/Rev 2/C, August 2014	BMTMTP/F13170/01/Rev 2, August 2014	BMT/MTP/F14127/06/A	BMT/MTP/F13170/04/Rev2/C, August 2014
Tested size (frame width x height, WxH)	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1880x2190mm	1200x2400mm	2400x2500mm	950x2185mm	1200x2400mm
4.16 Operating forces / Betjeningskraft	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation										
Notified body / notificeret organ										
Test report, issue date / Test rapport, udgivelsesdato										
Tested size (frame width x height, WxH)										
4.17 Mechanical strength / Mekanisk styrke	NPD	NPD	NPD	NPD	NPD	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	NPD	NPD	NPD	NPD	NPD
Test and Classification / Test og klassifikation										
Notified body / notificeret organ										
Test report, issue date / Test rapport, udgivelsesdato										
4.23 Burglar resistance / Indbrudssikkerhed	Class 2N	Class 2N	NPD	Class 2N	Class 2N	Class 2N	Class 2N	Class 2N	NPD	NPD
Test and Classification / Test og klassifikation	EN1628:2011, EN1629:2011,	EN1628:2011, EN1629:2011,		EN1628:2011, EN1629:2011,	EN1628:2011, EN1629:2011,	EN1628:2011, EN1629:2011,	EN1628:2011, EN1629:2011,	EN1628:2011, EN1629:2011,		
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	BMT/MTP/F14127/11	BMT/MTP/F13170/09		BMT/MTP/F13170/09	BMT/MTP/F14127/05	BMT/MTP/F14127/02	BMT/MTP/F13170/06	BMT/MTP/F13170/06		
Tested size (frame width x height, WxH)	1200x2500mm	2400x2500mm		2400x2500mm	1200x2500mm	2400x2500	1200x2400mm	1200x2400mm		