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www.rational.co.uk/DOP  
www.rational.ie/DOP**Declaration of Performance / Ydeevnedeklaration****ALDUS**

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

The performance of the facade windows and the facade doors in the product serie ALDUS 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 facadedørene i produktserien ALDUS 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:

  
**Thomas Tvedergaard Larsen**  
 CEO, Administrerende Direktør
**Harmonised technical specification****EN 14351-1:2006 +A1:2010****Harmoniseret teknisk specifikation**

Type of construction product Byggevarere type	facade windows and the facade doors facadevinduerne og facadedøre
Construction product identification Byggevarereidentifikation	<b>ALDUS</b>
Intended use Byggevarerens tilsigtede anvendelse	For domestic and commercial buildings Til boliger og erhvervsbygninger
Manufacturer Producent	<b>Rational Vinduer A/S</b>
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 byggevarerens ydeevne	(AVCP) System 3

**Notified Bodies / Notificerede organer**

<b>Chiltern Dynamics,</b> Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom	<b>NB 1314</b>
<b>Teknologisk Institut,</b> Teknologiparken, Kongsvang Allé 29, 8000 Århus C, Danmark	<b>NB 1235</b>
<b>SP Sveriges Tekniska Forskningsinstitut AB</b> Box 857 , 501 15 BORAS, Sweden	<b>NB 0402</b>
<b>DELTA</b> Venlighedsvej 4, 2970 Hørsholm, Danmark	<b>NB 0199</b>

Declaration of Performance / Ydeevnedeklaration ALDUS							DOP-B-2015/05/12
Element type	Fixed window	Topguided	Sidehung	Sideguided	Tilt and turn	Fully reversible	
Opening direction	-	Outward	Outward	Outward	Inward opening	Outward	
Element type	Fast vindue	Topstyret	Sidehængt	Sidestyret	Sidebunghængt	Vendevindue	
Åbningsretning	-	Udadgående	Udadgående	Udadgående	Indadgående	Udadgående	
4.2 Resistance to wind load / Modstandsevne overfor vindlast	1600Pa (4C)	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	
Notified body / notificeret organ	NB 1235	NB 1235		NB 1235	NB 1235	NB 1235	
Test report, issue date / Test rapport, udgivelsesdato	1003937/217929, 25/09/2007	1004850/217929, 25/09/2007		1063647/248223, 07/03/2008	1004857/217929	1014641/230954	
4.4 Fire characteristics / Brandegenskaber	NPD	NPD	NPD	NPD	NPD	NPD	
4.5 Watertightness / Vandtæthed	NPD	NPD	NPD	NPD	NPD	NPD	
4.6 Dangerous substances / Farlige stoffer	None	None	None	None	None	None	
4.8 Load-bearing capacity of safety devices / Sikkerhedsudstørs bæreevne	N/A	Passed (optional)	NPD	NPD	NPD	Passed	
Test and Classification / Test og klassifikation		EN14609:2003				EN14609:2003	
Notified body / notificeret organ		NB 1235				NB 1235	
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P09179/07/B, 12/07/2010				1067332/248223, 07/03/2008	
4.11 Acoustic performance / Akustisk ydeevne	Rw (C;Ctr)	Rw (C;Ctr)	Rw (C;Ctr)	Rw (C;Ctr)	Rw (C;Ctr)	Rw (C;Ctr)	
Test and Classification / Test og klassifikation	EN ISO 140-3:1995, EN ISO 717- :1996+A1:2006	EN ISO 140-3:1995, EN ISO 717-1:1996+A1:2006	EN ISO 140-3:1995, EN ISO 717- 1:1996+A1:2006	EN ISO 140-3:1995, EN ISO 717- 1:1996+A1:2006	EN ISO 140-3:1995, EN ISO 717- 1:1996+A1:2006	EN ISO 140-3:1995, EN ISO 717- 1:1996+A1:2006	
Notified body / notificeret organ	NB 0199	NB 0199	NB 0199	NB 0199	NB 0199	NB 0199	
Test report, issue date / Test rapport, udgivelsesdato	AV212/08 A580892, 26/10/2008	AV187/08 DANAK2638, AV188/08 DANAK2639, AV189/08 DANAK2640, AV190/08 DANAK2641, AV191/08 DANAK2642, A580955, 12/08/2008	AV214/08 A580892, 26/10/2008	AV214/08 A580892, 26/10/2008	AV213/08 A580892, 26/10/2008, +	AV214/08 A580892, 26/10/2008	
4-24-4 Clear/Energi WE w. argon	32 (-2;-5)	33 (-2;-5)	33 (-2;-5)	33 (-2;-5)	33 (-2;-5)	33 (-2;-5)	
4-12-4-12-4 Clear/Energi WE w. krypton	32 (-2;-6)	33 (-2;-6)	33 (-2;-6)	33 (-2;-6)	33 (-2;-6)	33 (-2;-6)	
4-22-3/0,38/3 Clear/Laminated Energy WE w. argon	35 (-1;-5)	36 (-1;-5)	36 (-1;-5)	36 (-1;-5)	36 (-1;-5)	36 (-1;-5)	
8-20-4 Clear/Energi WE w. argon	35 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	
6-22-4 Clear/Energi WE w. argon	35 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	36 (-2;-5)	
4/0,76/4-18-6 Laminated Sound/Clear WE w. argon	37 (-1;-4)	38 (-1;-4)	38 (-1;-4)	38 (-1;-4)	37 (-1;-4)	38 (-1;-4)	
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/ordrebeholdelse i overensstemmelse med EN 14351-1:2006 + A1:2010, Tabel E.2, Note d.						
4.12 Thermal transmittance / Termisk transmissionskoefficient	1,27 (W/m2K)	1,32 (W/m2K)	1,32 (W/m2K)	1,32 (W/m2K)	1,03 (W/m2K)	1,32 (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 10077-2:2003	EN ISO 10077-2:2003	
Notified body / notificeret organ	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235	NB 1235	
Test report, issue date / Test rapport, udgivelsesdato	422499 Rationel ALDUS 2- lags Udadgående ITT, 05/05/2011	422499 Rationel ALDUS 2- lags Udadgående ITT, 05/05/2011	422499 Rationel ALDUS 2- lags Udadgående ITT, 05/05/2011	422499 Rationel ALDUS 2- lags Udadgående ITT, 05/05/2011	422499 Rationel ALDUS 3- lags Udadgående ITT, 29/04/2011	422499 Rationel ALDUS 2- lags Udadgående ITT, 05/05/2011	
4.13 Radiation properties / Strålingsegenskaber	g 0,63 LT 0,80	g 0,63 LT 0,80	g 0,63 LT 0,80	g 0,63 LT 0,80	g 0,51 LT 0,71	g 0,63 LT 0,80	
4.14 Air permeability / Lufttæthed	600Pa (4)	600Pa (4)	NPD	600Pa (4)	600Pa (4)	600Pa (3)	
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	
Notified body / notificeret organ	NB 1235	NB 1235		NB 1235	NB 1235	NB 1235	
Test report, issue date / Test rapport, udgivelsesdato	1003937/217929, 25/09/2007	1004850/217929, 25/09/2007		1063647/248223, 07/03/2008	1004857/217929	1014641/230954	
4.16 Operating forces / Betjeningskraft	N/A	Class 1	Class 1	Class 1	NPD	NPD	
Test and Classification / Test og klassifikation		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			
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P09179/06/B, 25/06/2010	Chilt/P09179/07/B, 12/07/2010	Chilt/P09179/10/B, 19/06/2010			
4.17 Mechanical strength / Mekanisk styrke	NPD	Class 3	Class 3	Class 3	NPD	NPD	
Test and Classification / Test og klassifikation		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			
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P09179/06/B, 25/06/2010	Chilt/P09179/07/B, 12/07/2010	Chilt/P09179/10/B, 19/06/2010			
4.18 Ventilation			NPD				
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	1,7901	1,7901	
Luftstrømskoefficient: n	0,5169	0,5169	0,5169	0,5169	0,5169	0,5169	
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]	18,7 - 26,3	18,7 - 26,3	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	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	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	-	-	
Luftstrømskoefficient: n	0,5299	0,5299	0,5299	0,5299	-	-	
Air flow / luftstrøm @ 4 Pa [m3/h]	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	-	-	
Air flow / luftstrøm @ 10 Pa [m3/h]	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	-	-	
4.21 Resistance to repeated opening and closing / Modstandsevne for gentagen åbning og lukning	N/A	10.000 Class 2	10.000 Class 2	10.000 Class 2			
Test and Classification / Test og klassifikation		EN 1191:2000 EN	EN 1191:2000 EN	EN 1191:2000 EN			
Notified body / notificeret organ		NB 1314	NB 1314	NB 1314			
Test report, issue date / Test rapport, udgivelsesdato		Chilt/P09179/06/B, 25/06/2010	Chilt/P09179/07/B, 12/07/2010	Chilt/P09179/10/B, 19/06/2010			

