

AS Fenestra

www.fenestra.fi

*Ikkunoiden vastaavuus VTT:n raportin taulukossa:

esim. VTT-S-03668-13-583

➔ 583=ikkunan järjestysno taulukossa

esim. VTT-S-03937-13-10-81

➔ 10=taulukkonro, 81=ikkunan järjestysno taulukossa

Termien selitykset ja lisätietoa ikkunoiden energiatehokkuudesta:

https://www.motiva.fi/koti_ja_asuminen/rakentaminen/ikkunoiden_energialuokitus

Luokkarajat	
A++	≤ 45
A+	< 65
A	< 85
B	< 105
C	< 125
D	< 145
E	< 165
F	< 185
G	≥ 185

Nro	Tyyppi	Karmi- syvyys mm	1. lasi	Kaasu	Välilista	2. lasi	Kaasu	Välilista	3. lasi	Kaasu	Välilista	4. lasi	U W/m ² ,K	g	L m ³ /m ² ,h	E kWh/m ² ,a	Energia- luokka	Raportti*
1	FW Primus 1	170	float	ilma		float/6	argon	chr-12	Ultra N/6				1,15	0,44	0,30	96	B	VTT-S-03668-13-583
2	FW Primus 2	170	float	ilma		float	argon	chr-14	Ultra N/6				1,08	0,44	0,30	86	B	VTT-S-03668-13-584
3	FW Primus 3	170	float	ilma		float	argon	chr-16	Ultra N				1,02	0,44	0,30	78	A	VTT-S-03668-13-585
4	FW Primus 4	170	float	ilma		float/6	argon	chr-12	One/6				1,11	0,36	0,30	103	B	VTT-S-03668-13-586
5	FW Primus 5	170	float	ilma		float	argon	chr-14	One/6				1,03	0,36	0,30	92	B	VTT-S-03668-13-587
6	FW Primus 6	170	float	ilma		float	argon	chr-16	One				0,98	0,36	0,30	85	B	VTT-S-03668-13-588
7	FW Primus 7	170	float	ilma		SKN/6	argon	chr-12	float/6				1,15	0,33	0,30	114	C	VTT-S-03668-13-595
8	FW Primus 8	170	float	ilma		SKN	argon	chr-14	float/6				1,08	0,33	0,30	104	B	VTT-S-03668-13-596
9	FW Primus 9	170	float	ilma		SKN	argon	chr-16	float				1,02	0,32	0,30	97	B	VTT-S-03668-13-597
10	FW-Passive 1	170	>G-FasT	ilma		One/6	argon	chr-12	float/8				0,86	0,32	0,30	75	A	VTT-S-03937-13-4-21
11	FW-Passive 2	170	>G-FasT	ilma		float/6	argon	chr-14	One/6				0,81	0,33	0,30	66	A	VTT-S-03937-13-4-22
12	FW-Passive 3	170	>G-FasT	ilma		float	argon	chr-16	One/6				0,77	0,33	0,30	61	A+	VTT-S-03937-13-4-23
13	FW-Passive 4	170	>G-FasT	ilma		float	argon	chr-18	One				0,75	0,33	0,30	58	A+	VTT-S-03937-13-4-24
14	FW-Passive 5	170	>G-FasT	ilma		SKN/6	argon	chr-12	float/8				0,89	0,31	0,30	81	A	VTT-S-03937-13-4-29
15	FW-Passive 6	170	>G-FasT	ilma		SKN/6	argon	chr-14	float/6				0,84	0,31	0,30	74	A	VTT-S-03937-13-4-30
16	FW-Passive 7	170	>G-FasT	ilma		SKN	argon	chr-16	float/6				0,80	0,30	0,30	70	A	VTT-S-03937-13-4-31
17	FW-Passive 8	170	>G-FasT	ilma		SKN	argon	chr-18	float				0,78	0,30	0,30	67	A	VTT-S-03937-13-4-32
18	FW-Polaris 1	170	float	argon	chr-18	Ultra N	ilma		float	argon	chr-18	Ultra N	0,72	0,41	0,30	41	A++	VTT-S-03937-13-10-81
19	FW-Polaris 2	170	float	argon	chr-18	Ultra N	ilma		float	argon	chr-16	Ultra N/6	0,73	0,42	0,30	41	A++	VTT-S-03937-13-10-82
20	FW-Polaris 3	170	float/6	argon	chr-16	Ultra N	ilma		float	argon	chr-18	Ultra N	0,72	0,40	0,30	42	A++	VTT-S-03937-13-10-83
21	FW-Polaris 4	170	float	argon	chr-18	Ultra N	ilma		float/6	argon	chr-14	Ultra N/6	0,76	0,42	0,30	45	A+	VTT-S-03937-13-10-84
22	FW-Polaris 5	170	float/6	argon	chr-14	Ultra N/6	ilma		float	argon	chr-18	Ultra N	0,74	0,47	0,30	34	A++	VTT-S-03937-13-10-85
23	FW-Polaris 6	170	float/6	argon	chr-16	Ultra N	ilma		float	argon	chr-16	Ultra N/6	0,75	0,40	0,30	47	A+	VTT-S-03937-13-10-86
24	FW-Polaris 7	170	float/6	argon	chr-16	Ultra N	ilma		float/6	argon	chr-14	Ultra N/6	0,77	0,40	0,30	49	A+	VTT-S-03937-13-10-87
25	FW-Polaris 8	170	float/6	argon	chr-14	Ultra N/6	ilma		float	argon	chr-16	Ultra N/6	0,76	0,39	0,30	50	A+	VTT-S-03937-13-10-88
26	FW-Polaris 9	170	float/6	argon	chr-14	Ultra N/6	ilma		float/6	argon	chr-14	Ultra N/6	0,79	0,39	0,30	54	A+	VTT-S-03937-13-10-89
27	FW-Polaris 10	170	float/8	argon	chr-12	Ultra N/6	ilma		float	argon	chr-12	Ultra N/8	0,84	0,38	0,30	62	A+	VTT-S-03937-13-10-90
28	FW-Polaris 11	170	SKN	argon	chr-18	float	ilma		float	argon	chr-18	One	0,70	0,27	0,30	60	A+	VTT-S-03937-13-10-101
29	FW-Polaris 12	170	SKN	argon	chr-18	float	ilma		float	argon	chr-16	One/6	0,71	0,27	0,30	62	A+	VTT-S-03937-13-10-102
30	FW-Polaris 13	170	SKN/6	argon	chr-16	float	ilma		float	argon	chr-18	One	0,70	0,27	0,30	60	A+	VTT-S-03937-13-10-103
31	FW-Polaris 14	170	SKN	argon	chr-18	float	ilma		float/6	argon	chr-14	One/6	0,74	0,27	0,30	66	A	VTT-S-03937-13-10-104
32	FW-Polaris 15	170	SKN/6	argon	chr-14	float/6	ilma		float	argon	chr-18	One	0,72	0,26	0,30	65	A	VTT-S-03937-13-10-105
33	FW-Polaris 16	170	SKN/6	argon	chr-16	float	ilma		float	argon	chr-16	One/6	0,73	0,26	0,30	66	A	VTT-S-03937-13-10-106

Nro	Tyyppi	Karmi-syvyys mm	1. lasi	Kaasu	Välilista	2. lasi	Kaasu	Välilista	3. lasi	Kaasu	Välilista	4. lasi	U W/m ² ,K	g	L m ³ /m ² ,h	E kWh/m ² ,a	Energia-luokka	Raportti*
34	FW-Polaris 17	170	SKN/6	argon	chr-16	float	ilma		float/6	argon	chr-14	One/6	0,76	0,26	0,30	70	A	VTT-S-03937-13-10-107
35	FW-Polaris 18	170	SKN/6	argon	chr-14	float/6	ilma		float	argon	chr-16	One/6	0,74	0,26	0,30	68	A	VTT-S-03937-13-10-108
36	FW-Polaris 19	170	SKN/6	argon	chr-14	float/6	ilma		float/6	argon	chr-14	One/6	0,77	0,26	0,30	72	A	VTT-S-03937-13-10-109
37	FW-Polaris 20	170	SKN/8	argon	chr-12	float/6	ilma		float/6	argon	chr-12	One/8	0,82	0,25	0,30	80	A	VTT-S-03937-13-10-110
38	FW-MS2E 1	170	float	argon	chr-18	One	ilma		<G-FasT	argon	chr-18	One	0,57	0,31	0,30	36	A++	VTT-S-03937-13-12-45
39	FW-MS2E 2	170	float	argon	chr-18	One	ilma		<G-FasT	argon	chr-16	One/6	0,59	0,31	0,30	39	A++	VTT-S-03937-13-12-46
40	FW-MS2E 3	170	float/6	argon	chr-16	One	ilma		<G-FasT	argon	chr-18	One	0,59	0,29	0,30	42	A++	VTT-S-03937-13-12-47
41	FW-MS2E 4	170	float	argon	chr-18	One	ilma		<G-FasT/6	argon	chr-14	One/6	0,61	0,31	0,30	41	A++	VTT-S-03937-13-12-48
42	FW-MS2E 5	170	float/6	argon	chr-14	One/6	ilma		<G-FasT	argon	chr-18	One	0,60	0,29	0,30	43	A++	VTT-S-03937-13-12-49
43	FW-MS2E 6	170	float/6	argon	chr-16	One	ilma		<G-FasT	argon	chr-16	One/6	0,61	0,30	0,30	43	A++	VTT-S-03937-13-12-50
44	FW-MS2E 7	170	float/6	argon	chr-16	One	ilma		<G-FasT/6	argon	chr-14	One/6	0,62	0,30	0,30	44	A++	VTT-S-03937-13-12-51
45	FW-MS2E 8	170	float/6	argon	chr-14	One/6	ilma		<G-FasT	argon	chr-16	One/6	0,61	0,29	0,30	45	A+	VTT-S-03937-13-12-52
46	FW-MS2E 9	170	float/6	argon	chr-14	One/6	ilma		<G-FasT/6	argon	chr-14	One/6	0,63	0,29	0,30	47	A+	VTT-S-03937-13-12-53
47	FW-MS2E 10	170	float/8	argon	chr-12	One/6	ilma		<G-FasT	argon	chr-12	One/8	0,67	0,29	0,30	53	A+	VTT-S-03937-13-12-54
48	FW-MS2E 11	170	SKN	argon	chr-18	float	ilma		<G-FasT	argon	chr-18	One	0,59	0,25	0,30	48	A+	VTT-S-03937-13-12-65
49	FW-MS2E 12	170	SKN	argon	chr-18	float	ilma		<G-FasT	argon	chr-16	One/6	0,61	0,26	0,30	49	A+	VTT-S-03937-13-12-66
50	FW-MS2E 13	170	SKN/6	argon	chr-16	float	ilma		<G-FasT	argon	chr-18	One	0,59	0,25	0,30	48	A+	VTT-S-03937-13-12-67
51	FW-MS2E 14	170	SKN	argon	chr-18	float	ilma		<G-FasT/6	argon	chr-14	One/6	0,62	0,26	0,30	51	A+	VTT-S-03937-13-12-68
52	FW-MS2E 15	170	SKN/6	argon	chr-14	float/6	ilma		<G-FasT	argon	chr-18	One	0,61	0,24	0,30	53	A+	VTT-S-03937-13-12-69
53	FW-MS2E 16	170	SKN/6	argon	chr-16	float	ilma		<G-FasT	argon	chr-16	One/6	0,61	0,25	0,30	51	A+	VTT-S-03937-13-12-70
54	FW-MS2E 17	170	SKN/6	argon	chr-16	float	ilma		<G-FasT/6	argon	chr-14	One/6	0,63	0,25	0,30	54	A+	VTT-S-03937-13-12-71
55	FW-MS2E 18	170	SKN/6	argon	chr-14	float/6	ilma		<G-FasT	argon	chr-16	One/6	0,63	0,24	0,30	55	A+	VTT-S-03937-13-12-72
56	FW-MS2E 19	170	SKN/6	argon	chr-14	float/6	ilma		<G-FasT/6	argon	chr-14	One/6	0,65	0,24	0,30	58	A+	VTT-S-03937-13-12-73
57	FW-MS2E 20	170	SKN/8	argon	chr-12	float/6	ilma		<G-FasT/6	argon	chr-12	One/8	0,69	0,24	0,30	64	A+	VTT-S-03937-13-12-74
58	FW-Fixed 1	170	Ultra N	argon	chr-16	float	argon	chr-16	Ultra N				0,89	0,42	0,10	59	A+	VTT-S-03668-13-265
59	FW-Fixed 2	170	One	argon	chr-18	float	argon	chr-18	One				0,78	0,31	0,10	61	A+	VTT-S-03668-13-268
60	FW-Fixed 3	170	SKN	argon	chr-16	float	argon	chr-16	Ultra N				0,89	0,31	0,10	77	A	VTT-S-03668-13-287
61	FW-Fixed 4	170	SKN	argon	chr-18	float	argon	chr-18	One				0,80	0,27	0,10	70	A	VTT-S-03668-13-292
62	FW-Fenix 1	84	Ultra N	argon	chr-18	float	argon	chr-18	Ultra N				0,83	0,36	0,30	64	A+	VTT-S-03937-13-14-13
63	FW-Fenix 2	84	Ultra N	argon	chr-18	float	argon	chr-16	Ultra N/6				0,85	0,36	0,30	67	A	VTT-S-03937-13-14-14
64	FW-Fenix 3	84	Ultra N/6	argon	chr-16	float	argon	chr-16	Ultra N/6				0,88	0,35	0,30	73	A	VTT-S-03937-13-14-15
65	FW-Fenix 4	84	One	argon	chr-18	float	argon	chr-18	One				0,79	0,26	0,30	75	A	VTT-S-03937-13-14-19
66	FW-Fenix 5	84	One	argon	chr-18	float	argon	chr-16	One/6				0,81	0,26	0,30	77	A	VTT-S-03937-13-14-20
67	FW-Fenix 6	84	One/6	argon	chr-16	float	argon	chr-16	One/6				0,84	0,26	0,30	82	A	VTT-S-03937-13-14-22
68	FW-Fenix 7	84	SKN	argon	chr-18	float	argon	chr-18	Ultra N				0,83	0,27	0,30	79	A	VTT-S-03937-13-14-43
69	FW-Fenix 8	84	SKN	argon	chr-18	float	argon	chr-16	Ultra N/6				0,85	0,27	0,30	81	A	VTT-S-03937-13-14-44
70	FW-Fenix 9	84	SKN/6	argon	chr-16	float	argon	chr-16	Ultra N/6				0,88	0,27	0,30	86	B	VTT-S-03937-13-14-46
71	FW-Fenix 10	84	SKN/6	argon	chr-16	float	argon	chr-14	Ultra N/8				0,90	0,27	0,30	88	B	VTT-S-03937-13-14-47
72	FW-Fenix 11	84	SKN/8	argon	chr-14	float	argon	chr-14	Ultra N/8				0,93	0,26	0,30	94	B	VTT-S-03937-13-14-48
73	FW-Fenix 12	84	SKN	argon	chr-18	float	argon	chr-18	One				0,79	0,26	0,30	75	A	VTT-S-03937-13-14-49
74	FW-Fenix 13	84	SKN	argon	chr-18	float	argon	chr-16	One/6				0,81	0,26	0,30	77	A	VTT-S-03937-13-14-50
75	FW-Fenix 14	84	SKN/6	argon	chr-16	float	argon	chr-16	One/6				0,84	0,26	0,30	82	A	VTT-S-03937-13-14-52
76	FW-Fenix 15	84	SKN/6	argon	chr-16	float	argon	chr-14	One/8				0,87	0,26	0,30	86	B	VTT-S-03937-13-14-53
77	FW-Fenix 16	84	SKN/8	argon	chr-14	float	argon	chr-14	One/8				0,90	0,25	0,30	92	B	VTT-S-03937-13-14-54