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DECLARATION OF PERFORMANCE

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EN 1279-5 : 2006 + A2 : 2010

Insulating glass units intended to be used in buildings and construction work

Initial Examination :

IKATES, s.r.o., č. 1394 , protokol o zkoušce podle EN 1279-2 , evidenční číslo A-16/2007
IKATES, s.r.o., č. 1394 , protokol o zkoušce podle EN 1279-3 , evidenční číslo N-12/2007
TNO Eindhoven , č.1154 , protokol o zkoušce podle EN 1279-4 , TC-RAP-05-12997/idl (PU GD 677)
TNO Eindhoven , č.1154 , protokol o zkoušce podle EN 1279-4 , TC-SUM-06-17126 (PS GD 116)
TNO Eindhoven , č.1154 , protokol o zkoušce podle EN 1279-4 , TC-RAP-05-13164 (B 115)
ift Rosenheim GmbH , protokol o zkoušce podle EN 1279-4 , 601 34667/3 (PS 200),

Validation Computing Program :

IKATES, s.r.o., č. 1394 , validace výpočtového programu CALUMEN (SGG) , evidenční číslo V - I/2007
TÜV Rheinland , validace výpočtového programu CALUMEN (SGG) , Report 10190R-10.26687
BBRI Brussels , validace výpočtového programu WIS/WINDAT (AGC) , Report 632x8648b

ETA - wasn't issued

Essential characteristics

CODE	SERIES	AVCP systems	Resistance to fire	Reaction to fire	External fire performance	Bullet Resistance	Explosion resistance	Burglar Resistance	Pendulum body impact resistance	Resistance against sudden temperature changes and temperature differentials	Wind, snow, permanent and imposed load resistance	Direct airborne sound insulation	Direct airborne sound insulation	Thermal properties	Light Transmission	Light Reflection	Solar Energy Transmission	Solar energy reflection	Solar factor
			EN 13501-2	EN 13501-1	EN 13501-1	EN 1063	EN 13541	EN 356	EN 12600	°K	Rw (dB)	Rw (dB)	Ug	Lt	Lr	T	ρ	g	
			1	3, 4	3, 4	1	1	3	3	4	4	3	3	3	3	3	3	3	3
			certified	simulated	EN 673	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	EN 410	

140	AKU STANDARD	Float 4 / 16 / Float 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30	2,7	83	15	77	14/14	80
141	AKU STANDARD	Float 5 / 16 / Float 5	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	5 / 16 / 5	30	2,7	82	15	75	14/14	79
142	AKU STANDARD	Float 6 / 16 / Float 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 6	33	2,7	81	15	73	13/13	78
143	AKU STANDARD	Float 8 / 16 / Float 8	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	8 / 16 / 8	33	2,7	80	15	70	13/13	76
144	AKU STANDARD	Float 10 / 16 / Float 10	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	10 / 16 / 10	35	2,6	79	14	67	12/12	74

INSULATIN GLAS - THERMAL INSULATION

201	AKUPLUS XN	Float 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30	1,4	82	12	60	27/27	65
202	AKUPLUS XN Ar	Float 4 / 10 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 10 / 4	26	1,4	82	12	60	27/27	65
203	AKUPLUS XN Ar	Float 4 / 12 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 12 / 4	27	1,3	82	12	60	27/27	65
204	AKUPLUS XN Ar	Float 4 / 14 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 14 / 4	28	1,2	82	12	60	27/27	65
205	AKUPLUS XN Ar	Float 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30	1,1	82	12	60	27/27	65
206	AKUPLUS XN Ar	Float 4 / 18 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 18 / 4	30	1,1	82	12	60	27/27	65
207	AKUPLUS XN Ar	Float 4 / 20 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 20 / 4	30	1,1	82	12	60	27/27	65
208	AKUPLUS XN Ar	Float 6 / 12 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 12 / 6	29	1,3	81	12	58	26/26	64
209	AKUPLUS XN Ar	Float 6 / 14 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 14 / 6	30	1,1	81	12	58	26/26	64
210	AKUPLUS XN Ar	Float 6 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 6	31	1,1	81	12	58	26/26	64
301	AKUPLUS ONE	Float 4 / 16 / Planitherm ONE 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30	1,3	72	22	46	40/41	52
302	AKUPLUS ONE Ar	Float 4 / 16 Ar / Planitherm ONE 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30	1,0	72	22	46	40/41	52
303	AKUPLUS ONE Ar	Float 6 / 16 / Planitherm ONE 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 6	31	1,0	71	22	45	38/38	51

INSULATIN GLAS - THERMAL AND ACOUSTIC INSULATION

401	AKUPLUS XN WS 22/33	Float 6 / 12 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 12 / 4	33	1,3	81	12	59	26/27	64
402	AKUPLUS XN WS 24/33	Float 6 / 14 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 14 / 4	33	1,1	81	12	59	26/27	64
403	AKUPLUS XN WS 26/34	Float 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	34	1,1	81	12	59	26/27	64
404	AKUPLUS XN WS 24/33	Float 8 / 12 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	8 / 12 / 4	33	1,3	81	12	58	24/27	63
405	AKUPLUS XN WS 28/35	Float 8 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	8 / 16 / 4	35	1,1	81	12	58	24/27	63
406	AKUPLUS XN WS 34/36	Float 8 / 20 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	8 / 20 / 6	36	1,1	80	12	57	24/26	63
407	AKUPLUS XN WS 38/37	Float 8 / 24 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	8 / 24 / 6	37	1,2	80	12	57	24/26	63
408	AKUPLUS XN WS 28/36	Float 10 / 14 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	10 / 14 / 4	36	1,1	80	12	57	23/27	62
409	AKUPLUS XN WS 30/37	Float 10 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	10 / 16 / 4	37	1,1	80	12	57	23/27	62
410	AKUPLUS XN WS 34/38	Float 10 / 20 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	10 / 20 / 4	38	1,1	80	12	57	23/27	62

411	AKUPLUS XN WS 40/39	Float 10 / 24 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	10 / 24 / 6		39	1.2	80	12	56	23/26	62	
501	AKUPLUS XN ACOUSTIC WS 27/36	VSG 33.1 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40 / 40	33.1 / 16 / 4	36		1.1	81	12	56	23/27	61	
505	AKUPLUS XN ACOUSTIC WS 29/38	VSG 44.1 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40 / 40	44.1 / 16 / 4	38		1.1	81	12	55	22/27	60	
507	AKUPLUS XN ACOUSTIC WS 30/39	VSG 44.22 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P4A	1B1	40 / 40	44.22 / 16 / 4	39		1.1	80	12	53	19/27	58
434	AKUPLUS XN ACOUSTIC WS 31/39	VSG 44.1 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40 / 40	44.1 / 16 / 6	39		1.1	80	12	54	22/25	60	
435	AKUPLUS XN ACOUSTIC WS 32/40	VSG 44.22 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P4A	1B1	40 / 40	44.22 / 16 / 6	40		1.1	80	12	52	19/25	58
436	AKUPLUS XN ACOUSTIC WS 33/41	VSG 55.2 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	55.2 / 16 / 6	41		1.1	79	12	52	19/25	58
481	AKUPLUS XN ACOUSTIC WS-SI 27/37	VSG-Si 44.2 / 14 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	44.2 / 14 / 4	37		1.1	80	12	54	20/27	59
482	AKUPLUS XN ACOUSTIC WS-SI 29/39	VSG-Si 44.2 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	44.2 / 16 / 4	39		1.1	80	12	54	20/27	59
483	AKUPLUS XN ACOUSTIC WS-SI 31/42	VSG-Si 44.2 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	44.2 / 16 / 6	42		1.1	80	12	53	20/25	59
484	AKUPLUS XN ACOUSTIC WS-SI 34/44	VSG-Si 44.2 / 16 Ar / VSG-Si 44.2 LowE	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	44.2/16/44.2	44	1.1	79	12	51	20/20	59	
485	AKUPLUS XN ACOUSTIC WS-SI 38/46	VSG-Si 44.2 / 20 Ar / VSG-Si 44.2 LowE	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	44.2/20/44.2	46	1.1	79	12	51	20/20	59	
486	AKUPLUS XN ACOUSTIC WS-SI 38/48	VSG-Si 66.2 / 16 Ar / VSG-Si 44.2 LowE	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	66.2/16/44.2	48	1.1	78	12	49	18/20	57	
487	AKUPLUS XN ACOUSTIC WS-SI 46/51	VSG-Si 66.2 / 24 Ar / VSG-Si 44.2 LowE	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	66.2/24/44.2	51	1.1	78	12	49	18/20	57	

INSULATIN GLAS - THERMAL INSULATION , SAFE

501	AKUPLUS XN SAFE	VSG 33.1 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40 / 40	VSG 33.1/16/4	36		1.1	81	12	56	23/27	61	
502	AKUPLUS XN SAFE P2A	VSG 33.2 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	VSG 33.2/16/4	34		1.1	81	12	55	21/27	60
503	AKUPLUS XN SAFE P4A	VSG 33.22 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P4A	1B1	40 / 40	VSG 33.22/16/4	34		1.1	81	12	54	19/27	59
504	AKUPLUS XN SAFE P2A	VSG 33.2 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	VSG 33.2/16/6	34		1.1	80	12	54	21/25	60
505	AKUPLUS XN SAFE	VSG 44.1 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40 / 40	VSG 44.1/16/4	38		1.1	81	12	55	22/27	60	
506	AKUPLUS XN SAFE P2A	VSG 44.2 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	VSG 44.2/16/4	36		1.1	80	12	54	20/27	59
507	AKUPLUS XN SAFE P4A	VSG 44.22 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P4A	1B1	40 / 40	VSG 44.22/16/4	39		1.1	80	12	53	19/27	58
508	AKUPLUS XN SAFE P2A	VSG 44.2 / 16 Ar / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40 / 40	VSG 44.2/16/6	36		1.1	80	12	53	20/25	59
551	AKUPLUS XN SECURIT 2x1C3	ESG 4 / 16 Ar / ESG LowE 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	1C3	200 / 200	4 / 16 / 4	30		1.1	82	12	60	28/27	65	
552	AKUPLUS XN SECURIT 2x1C2	ESG 6 / 16 Ar / ESG LowE 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	1C2	200 / 200	6 / 16 / 6	31		1.1	81	12	58	26/26	64	

INSULATIN GLAS - THERMAL INSULATION , SOLAR CONTROL

601	AKUPLUS SOLARCONTROL PB BRONZ 55/46	Planibel Bronz 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	55	8	39	17/NPD	46
602	AKUPLUS SOLARCONTROL PB BRONZ 45/38	Planibel Bronz 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	45	7	32	13/NPD	38
603	AKUPLUS SOLARCONTROL PB GREY 51/44	Planibel Grey 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	51	7	37	16/NPD	44
604	AKUPLUS SOLARCONTROL PB GREY 39/36	Planibel Grey 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	39	6	30	12/NPD	36
605	AKUPLUS SOLARCONTROL PB GREEN 71/45	Planibel Green 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	71	10	39	11/NPD	45
606	AKUPLUS SOLARCONTROL PB GREEN 65/39	Planibel Green 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	65	10	33	8/NPD	39
607	AKUPLUS SOLARCONTROL PB AZUR 65/42	Planibel Azur 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	65	10	36	10/NPD	42
608	AKUPLUS SOLARCONTROL PB PRIVA BLUE 31/21	Planibel Priva Blue 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	31	6	16	5/NPD	21
609	AKUPLUS SOLARCONTROL PB DARK BLUE 52/35	Planibel Dark Blue 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	52	8	30	8/NPD	35
621	AKUPLUS SOLARCONTROL SC CLEAR 35/33	Stopsol Cl Clear 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	35	35	28	41/NPD	33
622	AKUPLUS SOLARCONTROL SC CLEAR 34/32	Stopsol Cl Clear 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	34	35	27	40/NPD	32
623	AKUPLUS SOLARCONTROL SC BRONZ 24/25	Stopsol Cl Bronz 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	24	34	20	36/NPD	25
624	AKUPLUS SOLARCONTROL SC BRONZ 19/21	Stopsol Cl Bronz 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	19	34	16	33/NPD	21
625	AKUPLUS SOLARCONTROL SC GREY 22/23	Stopsol Cl Grey 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	22	34	19	35/NPD	23
626	AKUPLUS SOLARCONTROL SC GREY 17/19	Stopsol Cl Grey 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	17	34	15	32/NPD	19
627	AKUPLUS SOLARCONTROL SC GREEN 30/22	Stopsol Cl Green 4 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	4 / 16 / 4	30		1.1	30	35	18	31/NPD	22
628	AKUPLUS SOLARCONTROL SC GREEN 28/19	Stopsol Cl Green 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	28	35	15	29/NPD	19
629	AKUPLUS SOLARCONTROL SSS CLEAR 57/46	Stopsol SS Clear 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	57	37	40	41/NPD	46
630	AKUPLUS SOLARCONTROL SSS GREY 26/25	Stopsol SS Grey 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	26	35	20	31/NPD	25
631	AKUPLUS SOLARCONTROL SSS GREEN 46/28	Stopsol SS Green 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	46	36	23	29/NPD	28
632	AKUPLUS SOLARCONTROL SSS DARK BLUE 36/25	Stopsol SS Dark Blue 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	36		1.1	36	35	21	28/NPD	25
660	AKUPLUS COOL-LITE SKN 165 61/34	Cool Lite SKN 165 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	34		1.0	61	16	32	37/43	34
661	AKUPLUS COOL-LITE SKN 174 69/41	Cool Lite SKN 174 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	34		1.1	69	11	39	31/36	41
662	AKUPLUS COOL-LITE XTREME 60/28	Cool Lite XTREME 60/28 6 / 16 Ar / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40 / 40	6 / 16 / 4	34		1.0	60	14	26	42/49	28

3 INSULATIN GLAS - THERMAL INSULATION

701	AKUTOP XN 28/0.8 Ar	Planitherm XN 4 / 08 / Float 4 / 08 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/08/4/08/4		27	1,0	74	16	48	33/33	54
702	AKUTOP XN 32/0.8 Ar	Planitherm XN 4 / 10 / Float 4 / 10 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/10/4/10/4		27	0,8	74	16	48	33/33	54
703	AKUTOP XN 36/0.7 Ar	Planitherm XN 4 / 12 / Float 4 / 12 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/12/4/12/4	31		0,7	74	16	48	33/33	54
704	AKUTOP XN 40/0.6 Ar	Planitherm XN 4 / 14 / Float 4 / 14 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/14/4/14/4		28	0,6	74	16	48	33/33	54
705	AKUTOP XN 42/0.6 Ar	Planitherm XN 4 / 16 / Float 4 / 14 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/16/4/14/4		29	0,6	74	16	48	33/33	54
706	AKUTOP XN 44/0.6 Ar	Planitherm XN 4 / 16 / Float 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/16/4/16/4		30	0,6	74	16	48	33/33	54
707	AKUTOP XN 48/0.5 Ar	Planitherm XN 4 / 18 / Float 4 / 18 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/18/4/18/4		30	0,5	74	16	48	33/33	54
708	AKUTOP XN 40/0.7 Ar	Planitherm XN 6 / 12 / Float 4 / 12 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/12/4/12/6		32	0,7	74	16	46	31/31	53
709	AKUTOP XN 44/0.6 Ar	Planitherm XN 6 / 14 / Float 4 / 14 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/14/4/14/6		34	0,6	74	16	46	31/31	53
710	AKUTOP XN 48/0.6 Ar	Planitherm XN 6 / 16 / Float 4 / 16 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/6		34	0,6	74	16	46	31/31	53
711	AKUTOP XN 52/0.5 Ar	Planitherm XN 6 / 18 / Float 4 / 18 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/18/4/18/6		35	0,5	74	16	46	31/31	53
712	AKUTOP XN 50/0.6 Ar	Planitherm XN 6 / 16 / Float 6 / 16 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/6/16/6		33	0,6	73	16	45	31/31	53
801	AKUTOP ONE 44/0.5 Ar	Planitherm ONE 4 / 16 / Float 4 / 14 / Planitherm ONE 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/16/4/16/4		30	0,5	59	32	33	48/48	38
802	AKUTOP ONE 48/0.5 Ar	Planitherm ONE 6 / 16 / Float 4 / 14 / Planitherm ONE 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/6		34	0,5	58	32	32	46/46	37
803	AKUTOP ONE 50/0.5 Ar	Planitherm ONE 6 / 16 / Float 6 / 14 / Planitherm ONE 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/6/16/6		33	0,5	57	32	31	45/45	37
901	AKUTOP LUX 62 36/0.8	Planitherm LUX 4 / 12 / Float 4 / 12 / Planitherm LUX 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/12/4/12/4	31		0,8	72	17	52	21/21	61
902	AKUTOP LUX 62 40/0.7	Planitherm LUX 4 / 14 / Float 4 / 14 / Planitherm LUX 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/14/4/14/4		28	0,7	72	17	52	21/21	61
903	AKUTOP LUX 62 44/0.7	Planitherm LUX 4 / 16 / Float 4 / 16 / Planitherm LUX 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/16/4/16/4		30	0,7	72	17	52	21/21	61
904	AKUTOP LUX 62 48/0.6	Planitherm LUX 4 / 18 / Float 4 / 18 / Planitherm LUX 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/18/4/18/4		30	0,6	72	17	52	21/21	61
905	AKUTOP LUX 60 40/0.8	Planitherm LUX 6 / 12 / Float 4 / 12 / Planitherm LUX 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/12/4/12/6		32	0,8	71	16	49	20/20	59
906	AKUTOP LUX 60 44/0.7	Planitherm LUX 6 / 14 / Float 4 / 14 / Planitherm LUX 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/14/4/14/6		34	0,7	71	16	49	20/20	59
907	AKUTOP LUX 60 48/0.7	Planitherm LUX 6 / 16 / Float 4 / 16 / Planitherm LUX 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/6		34	0,7	71	16	49	20/20	59
908	AKUTOP LUX 60 52/0.6	Planitherm LUX 6 / 18 / Float 4 / 18 / Planitherm LUX 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/18/4/18/6		35	0,6	71	16	49	20/20	59

3 INSULATIN GLAS - THERMAL AND ACOUSTIC INSULATION

751	AKUTOP XN WS 38/36	Planitherm XN 6 / 12 / Float 4 / 12 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/12/4/12/4	36		0,7	74	16	47	31/33	53
752	AKUTOP XN WS 42/39	Planitherm XN 8 / 12 / Float 4 / 12 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	8/12/4/12/6	39		0,7	73	16	46	29/31	52
753	AKUTOP XN WS 44/40	Float 10 / 12 / ESG LowE 4 / 12 / Planitherm XN 6	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/200/40	10/12/4/12/6	40		0,7	73	15	45	28/31	53
754	AKUTOP XN SILENCE WS-Si 42/42	Planitherm XN 6 / 12 / 4 / 12 / VSG-Si LowE 4.4.1	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/12/4/12/44.1	42		0,7	73	16	44	31/26	53
755	AKUTOP XN SILENCE WS-Si 44/45	Planitherm XN 8 / 12 / 4 / 12 / VSG-Si LowE 4.4.1	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	8/12/4/12/44.1	45		0,7	72	16	43	29/26	52
756	AKUTOP XN SILENCE WS-Si 44/47	VSG-Si LowE 4.4.1/12/4/12/VSG-Si LowE 4.4.1	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	44.1/12/4/12/44.1	47		0,7	72	16	43	26/26	50
757	AKUTOP XN SILENCE WS-Si 50/50	VSG-Si LowE 6.6.1/12/6/12/VSG-Si LowE 4.4.1	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	66.1/12/6/12/44.1	50		0,7	71	15	41	24/26	50

3 INSULATIN GLAS - THERMAL INSULATION , SAFE

780	AKUTOP XN 2B2 (331)	VSG LowE 33.1 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40/40/40	33.1/16/4/16/4		34	0,6	74	16	46	28/33	51	
781	AKUTOP XN P2A (332)	VSG LowE 33.2 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40/40/40	33.2/16/4/16/4		35	0,6	74	16	45	26/33	50
782	AKUTOP XN 2B2 (441)	VSG LowE 44.1 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	2B2	40/40/40	44.1/16/4/16/4		37	0,6	73	16	45	26/33	50	
783	AKUTOP XN P2A (442)	VSG LowE 44.2 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P2A	1B1	40/40/40	44.2/16/4/16/4		37	0,6	73	16	44	25/33	50
784	AKUTOP XN P2A (4422)	VSG LowE 44.22 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	P4A	1B1	40/40/40	44.22/16/4/16/4		38	0,6	73	16	43	23/33	49

3 INSULATIN GLAS - THERMAL INSULATION , SOLAR CONTROL


791	AKUTOP SOLARCONTROL PB Bronz 48/38	Planibel Bronz 4 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	4/16/4/16/4		33	0,6	48	10	29	20/NPD	38
792	AKUTOP SOLARCONTROL SS CLEAR (1) 50/39	Stopsol SS Clear (1) 6 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/4		36	0,6	50	39	30	44/NPD	39
793	AKUTOP COOL LITE 174 N 63/37	Cool-Lite SKN 174 6 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/4		34	0,6	63	13	33	33/37	37
794	AKUTOP COOL LITE X-Treme 55/26	Cool-Lite X-Treme 60/28 6 / 16 / 4 / 16 / Planitherm XN 4	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	40/40/40	6/16/4/16/4		34	0,6	55	16	23	43/45	26

NPD = No Performance Determined

The performance of the product identified is in conformity with the declared performance above.

This declaration of performance is issued under the sole responsibility of the manufacturer

Signed for and behalf of the manufacturer

<p><i>Name and function</i> Ing. Konečný Kamil</p>	<p><i>Place and date of issue</i> České Budějovice 01. Juni 2015</p>	 <p>AKUTERM Firma izolačních výrobků 110 00 Praha 1, Václavské náměstí 6 IČO: 250318117 • DIČ CZ: 250318117 přesvědčení Novotná 15, Česká Budějovice</p>
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