

ISOLAR Mehrscheiben-Isolierglas
 Betriebe der ISOLAR Gruppe (siehe www.isolar.de)
 2011



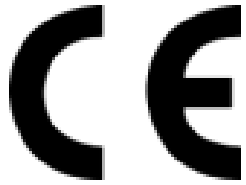
EN 1279-5
 Insulating glass units

AKUSTEX advance

Characteristics:		25/36	27/37	29/38 P4A	30/39		
Resistance to fire		npd	npd	npd	npd		
Reaction to fire		A1	A1	A1	A1		
External fire performance		npd	npd	npd	npd		
Bullet resistance		npd	npd	npd	npd		
Explosion resistance		npd	npd	npd	npd		
Burglar resistance		npd	npd	npd	npd		
Pendulum body impact resistance		npd	npd	npd	npd		
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd		
Wind, snow, permanent and imposed load resistance	mm	6-15-:4	8-15-:4	10-15-:4	10-16-:4		
Direct airborne sound insulation	dB	36 (-2, -5)	37 (-1, -5)	38 (-2, -6)	39 (-2, -6)		
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03		
U-value	W/m ² K	1,1	1,1	1,1	1,1		
Radiation properties							
Light transmission	%	80	79	73	79		
Light reflection	%	14	14	12	14		
Solar energy transmission	%	55	54	46	52		
Solar energy reflection	%	26	24	16	23		
Solar factor	%	61	59	51	58		
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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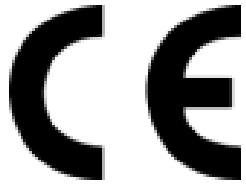
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 Insulating glass units

AKUSTEX advance AF

Characteristics:		AF 28/40	AF 30/42	AF 35/43	AF 36/44	AF 34/45	AF 38/47
Resistance to fire		npd	npd	npd	npd	npd	npd
Reaction to fire		A1	A1	A1	A1	A1	A1
External fire performance		npd	npd	npd	npd	npd	npd
Bullet resistance		npd	npd	npd	npd	npd	npd
Explosion resistance		npd	npd	npd	npd	npd	npd
Burglar resistance		npd	npd	npd	npd	npd	npd
Pendulum body impact resistance		npd	npd	npd	npd	npd	npd
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	npd
Wind, snow, permanent and imposed load resistance	mm	6:-16-3.3.1	6:-16-4.4.1	8:-16-5.5.2	8:-20-4.4.1	10:-16-4.4.1	4.4.2:-16-6.6.2
Direct airborne sound insulation	dB	40 (-2, -7)	42 (-2, -6)	43 (-2, -6)	44 (-3, -8)	45 (-2, -7)	47 (-2, -6)
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	0,03
U-value	W/m ² K	1,1	1,1	1,1	1,1	1,1	1,1
Radiation properties							
Light transmission	%	76	76	74	75	74	71
Light reflection	%	15	15	14	15	14	14
Solar energy transmission	%	49	48	45	46	45	41
Solar energy reflection	%	25	25	24	24	22	18
Solar factor	%	59	59	57	57	56	52
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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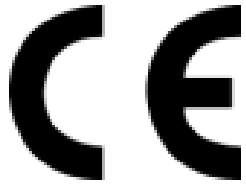
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 Insulating glass units

AKUSTEX advance AF

Characteristics:		AF 42/47	AF 42/49	AF 46/50	AF 46/51	AF 49/52	
Resistance to fire		npd	npd	npd	npd	npd	
Reaction to fire		A1	A1	A1	A1	A1	
External fire performance		npd	npd	npd	npd	npd	
Bullet resistance		npd	npd	npd	npd	npd	
Explosion resistance		npd	npd	npd	npd	npd	
Burglar resistance		npd	npd	npd	npd	npd	
Pendulum body impact resistance		npd	npd	npd	npd	npd	
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	
Wind, snow, permanent and imposed load resistance	mm	10:-24-4.4.1	4.4.2:-20-6.6.2	4.4.2:-20-8.8.2	4.4.1:-24-6.8.1	4.6.2:-24-6.8.2	
Direct airborne sound insulation	dB	47 (-2, -7)	49 (-2, -7)	50 (-1, -6)	51 (-2, -6)	52 (-2, -6)	
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	
U-value	W/m ² K	1,2	1,1	1,1	1,2	1,2	
Radiation properties							
Light transmission	%	74	76	75	72	69	
Light reflection	%	14	13	13	14	13	
Solar energy transmission	%	45	46	44	45	39	
Solar energy reflection	%	22	18	16	17	17	
Solar factor	%	56	53	51	51	50	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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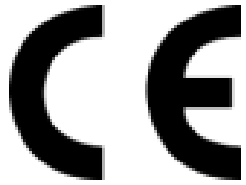
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 Insulating glass units

AKUSTEX advance 3 Ar

Characteristics:		3 Ar 38/36	3 Ar 40/37	3 Ar 42/39	3 Ar 44/42	3 Ar 46/43	
Resistance to fire		npd	npd	npd	npd	npd	
Reaction to fire		A1	A1	A1	A1	A1	
External fire performance		npd	npd	npd	npd	npd	
Bullet resistance		npd	npd	npd	npd	npd	
Explosion resistance		npd	npd	npd	npd	npd	
Burglar resistance		npd	npd	npd	npd	npd	
Pendulum body impact resistance		npd	npd	npd	npd	npd	
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	
Wind, snow, permanent and imposed load resistance	mm	6:-12-4-12:-4	8:-12-4-12:-4	8:-12-4-12:-6	10:-12-4-12:-6	10:-12-4-12:-8	
Direct airborne sound insulation	dB	36 (-2, -6)	37 (-1, -6)	39 (-2, -5)	42 (-1, -4)	43 (-2, -5)	
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	
U-value	W/m ² K	0,7	0,7	0,7	0,7	0,7	
Radiation properties							
Light transmission	%	71	71	70	69	69	
Light reflection	%	20	20	20	19	19	
Solar energy transmission	%	43	42	41	41	40	
Solar energy reflection	%	30	38	28	26	26	
Solar factor	%	50	49	49	48	48	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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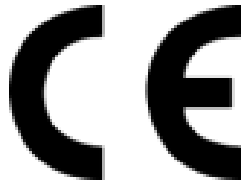
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 Insulating glass units

AKUSTEX advance 3 Ar

Characteristics:		3 Ar AF 43/42	3 Ar AF 45/43	3 Ar AF 47/46	3 Ar AF 50/47	3 Ar AF 51/49	
Resistance to fire		npd	npd	npd	npd	npd	
Reaction to fire		A1	A1	A1	A1	A1	
External fire performance		npd	npd	npd	npd	npd	
Bullet resistance		npd	npd	npd	npd	npd	
Explosion resistance		npd	npd	npd	npd	npd	
Burglar resistance		npd	npd	npd	npd	npd	
Pendulum body impact resistance		npd	npd	npd	npd	npd	
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	
Wind, snow, permanent and imposed load resistance	mm	6:-12-4-12-:4.4.2	8:-12-4-12-:4.4.2	10:-12-4-12-:4.4.2	4.6:-12-6-12-:4.4.2	6.6:-12-6-12-:4.4.2	
Direct airborne sound insulation	dB	42 (-2, -7)	43 (-3, -8)	46 (-1, -5)	47 (-2, -7)	49 (-2, -6)	
Thermal properties							
Emissivity		0,03	0,03	0,03	0,03	0,03	
U-value	W/m ² K	0,7	0,7	0,7	0,7	0,7	
Radiation properties							
Light transmission	%	70	69	69	68	68	
Light reflection	%	20	19	19	19	19	
Solar energy transmission	%	40	39	38	37	36	
Solar energy reflection	%	30	28	26	22	21	
Solar factor	%	50	48	47	45	44	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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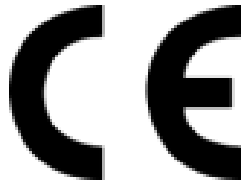
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AKUSTEX ensolar 3 Ar

Characteristics:		3 Ar 38/36	3 Ar 40/37	3 Ar 42/39	3 Ar 44/42	3 Ar 46/43	
Resistance to fire		npd	npd	npd	npd	npd	
Reaction to fire		A1	A1	A1	A1	A1	
External fire performance		npd	npd	npd	npd	npd	
Bullet resistance		npd	npd	npd	npd	npd	
Explosion resistance		npd	npd	npd	npd	npd	
Burglar resistance		npd	npd	npd	npd	npd	
Pendulum body impact resistance		npd	npd	npd	npd	npd	
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	
Wind, snow, permanent and imposed load resistance	mm	6:-12-4-12:-4	8:-12-4-12:-4	8:-12-4-12:-6	10:-12-4-12:-6	10:-12-4-12:-8	
Direct airborne sound insulation	dB	36 (-2, -6)	37 (-1, -6)	39 (-2, -5)	42 (-1, -4)	43 (-2, -5)	
Thermal properties							
Emissivity		0,08	0,08	0,08	0,08	0,08	
U-value	W/m ² K	0,8	0,8	0,8	0,8	0,8	
Radiation properties							
Light transmission	%	72	72	71	70	70	
Light reflection	%	18	18	18	18	18	
Solar energy transmission	%	52	50	49	48	47	
Solar energy reflection	%	22	21	21	20	20	
Solar factor	%	59	58	58	56	56	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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 Insulating glass units

AKUSTEX ensolar 3 Ar

Characteristics:		3 Ar AF 43/42	3 Ar AF 45/43	3 Ar AF 47/46	3 Ar AF 50/47	3 Ar AF 51/49	
Resistance to fire		npd	npd	npd	npd	npd	
Reaction to fire		A1	A1	A1	A1	A1	
External fire performance		npd	npd	npd	npd	npd	
Bullet resistance		npd	npd	npd	npd	npd	
Explosion resistance		npd	npd	npd	npd	npd	
Burglar resistance		npd	npd	npd	npd	npd	
Pendulum body impact resistance		npd	npd	npd	npd	npd	
Resistance against sudden temperature changes and temperature differentials	K	npd	npd	npd	npd	npd	
Wind, snow, permanent and imposed load resistance	mm	6:-12-4-12-:4.4.2	8:-12-4-12-:4.4.2	10:-12-4-12-:4.4.2	4.6:-12-6-12-:4.4.2	6.6:-12-6-12-:4.4.2	
Direct airborne sound insulation	dB	42 (-2, -7)	43 (-3, -8)	46 (-1, -5)	47 (-2, -7)	49 (-2, -6)	
Thermal properties							
Emissivity		0,08	0,08	0,08	0,08	0,08	
U-value	W/m ² K	0,8	0,8	0,8	0,8	0,8	
Radiation properties							
Light transmission	%	71	70	70	69	69	
Light reflection	%	18	18	18	17	17	
Solar energy transmission	%	47	46	45	43	42	
Solar energy reflection	%	22	21	20	16	16	
Solar factor	%	59	57	56	53	52	
Dangerous substances		-	-	-	-	-	-

NPD: No performance determined

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