



Declaration of Performance

arcon sunbelt E71



Coated glass, intended to be used in buildings and construction works

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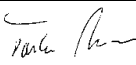
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10079004/CPR/ 2013-07-01	10079005/CPR/ 2013-07-01	10079006/CPR/ 2013-07-01	10079008/CPR/ 2013-07-01	10079010/CPR/ 2013-07-01	10079012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3.4	A1	A1	A1	A1	A1	A1
External fire performance	3.4	NPD	NPD	NPD	NPD	NPD	NPD
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials (K)	4	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance (mm)	4	4	5	6	8	10	12
Protection against noise							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity ϵ_n coated side		0.01	0.01	0.01	0.01	0.01	0.01
Radiation properties							
Light transmission: τ_v	3	78	78	77	77	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'		7 / 8	7 / 8	7 / 8	7 / 7	7 / 7	7 / 7
Solar energy characteristics							
Solar transmission τ_e	3	41	41	41	40	40	39
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 31	42 / 30	42 / 29	41 / 27	41 / 25	41 / 24
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

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 on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-11-17	



Declaration of Performance

arcon sunbelt E71 (laminated safety glass)



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EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	40079100/CPR/ 2013-07-01	40079101/CPR/ 2013-07-01	40079110/CPR/ 2013-07-01	40079111/CPR/ 2013-07-01	40079120/CPR/ 2013-07-01	40079121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3.4	NPD	NPD	NPD	NPD	NPD	NPD
External fire performance	3.4	NPD	NPD	NPD	NPD	NPD	NPD
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD	NPD	NPD	NPD	NPD	NPD
Wind, snow, permanent and imposed load resistance (mm)	4	NPD	NPD	NPD	NPD	NPD	NPD
Protection against noise							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity ϵ_n , coated side		0.01	0.01	0.01	0.01	0.01	0.01
Radiation properties							
Light transmission: τ_v	3	77	77	77	77	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'		7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8
Solar energy characteristics							
Solar transmission τ_e	3	40	39	39	39	39	39
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 26	42 / 25	42 / 25	41 / 24	41 / 23	41 / 22
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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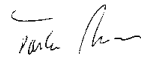
EN 1096-4:2018

	LE/DoP-Nr.	40079130/CPR/ 2013-07-01	40079131/CPR/ 2013-07-01			
Essential characteristics	AVCP Systems	66.1	66.2			
Safety in case of fire						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
Safety in use						
Bullet resistance	1	NPD	NPD			
Explosion resistance	1	NPD	NPD			
Burglar resistance	3	NPD	NPD			
Pendulum body impact resistance	3	NPD	NPD			
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD	NPD			
Wind, snow, permanent and imposed load resistance (mm)	4	NPD	NPD			
Protection against noise						
Direct airborne sound reduction (db)	3	NPD	NPD			
Thermal properties						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity ϵ_n coated side		0.01	0.01			
Radiation properties						
Light transmission: τ_v	3	75	75			
Light reflection coated/uncoated side ρ_v, ρ_v'		7 / 7	7 / 7			
Solar energy characteristics						
Solar transmission τ_e		38	38			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	41 / 22	41 / 21			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

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Declaration of Performance

arcon sunbelt gold 29/28



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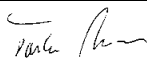
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10035004/CPR/ 2013-07-01	10035005/CPR/ 2013-07-01	10035006/CPR/ 2013-07-01	10035008/CPR/ 2013-07-01	10035010/CPR/ 2013-07-01	10035012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3.4	A1	A1	A1	A1	A1	A1
External fire performance	3.4	NPD	NPD	NPD	NPD	NPD	NPD
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials (K)	4	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance (mm)	4	4	5	6	8	10	12
Protection against noise							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity ϵ_n coated side	3	0.05	0.05	0.05	0.05	0.05	0.05
Radiation properties							
Light transmission: τ_v	3	30	30	30	30	30	30
Light reflection coated/uncoated side ρ_v, ρ_v'	3	50 / 36	50 / 36	50 / 35	50 / 35	50 / 34	50 / 34
Solar energy characteristics							
Solar transmission τ_e	3	29	28	28	27	26	26
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	40 / 40	40 / 39	40 / 38	40 / 36	40 / 34	40 / 32
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



Declaration of Performance

arcon sunbelt silber 40/21



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Essential characteristics	LE/DoP-Nr.	10033004/CPR/ 2013-07-01	10033005/CPR/ 2013-07-01	10033006/CPR/ 2013-07-01	10033008/CPR/ 2013-07-01	10033010/CPR/ 2013-07-01	10033012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3.4	A1	A1	A1	A1	A1	A1
External fire performance	3.4	NPD	NPD	NPD	NPD	NPD	NPD
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials (K)	4	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance (mm)	4	4	5	6	8	10	12
Protection against noise							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity ϵ_n coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
Radiation properties							
Light transmission: τ_v	3	44	44	44	43	43	43
Light reflection coated/uncoated side ρ_v, ρ_v'	3	12 / 31	12 / 31	12 / 31	12 / 31	12 / 30	12 / 30
Solar energy characteristics							
Solar transmission τ_e	3	22	21	21	21	21	20
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	46 / 50	46 / 49	46 / 47	46 / 44	46 / 42	46 / 39
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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