



Declaration of Performance

arcon N10



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

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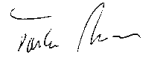
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	131304/CPR/ 2013-07-01	131305/CPR/ 2013-07-01	131306/CPR/ 2013-07-01	131308/CPR/ 2013-07-01	131310/CPR/ 2013-07-01	131312/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	76	76	76	75	74	74
Light reflection coated/uncoated side ρ_v, ρ_v'	3	17 / 19	17 / 19	17 / 19	17 / 18	17 / 18	17 / 18
Solar energy characteristics							
Solar transmission τ_e	3	48	48	47	46	46	45
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	43 / 42	43 / 41	43 / 40	43 / 38	43 / 37	43 / 35
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon N 10 (laminated safety glass)



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

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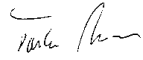
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	431306/CPR/ 2013-07-01	431326/CPR/ 2013-07-01	431308/CPR/ 2013-07-01	431328/CPR/ 2013-07-01	431310/CPR/ 2013-07-01	431330/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	3	0.01	0.01	0.01	0.01	0.01	0.01
Radiation properties							
Light transmission: τ_v	3	75	75	75	75	74	74
Light reflection coated/uncoated side ρ_v, ρ_v'	3	17 / 19	17 / 19	17 / 19	17 / 19	17 / 18	17 / 18
Solar energy characteristics							
Solar transmission τ_e	3	45	45	45	45	44	44
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	43 / 32	43 / 31	43 / 31	43 / 30	43 / 29	43 / 28
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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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon N 10 (laminated safety glass)



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

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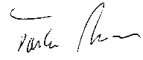
EN 1096-4:2004

	LE/DoP-Nr.	431312/CPR/ 2013-07-01	431332/CPR/ 2013-07-01	431355/CPR/ 2013-07-01		
Essential characteristics	AVCP Systems	66.1	66.2	44.6		
Safety in case of fire						
Resistance to fire	1	NPD	NPD	NPD		
Reaction to fire	3,4	NPD	NPD	NPD		
External fire performance	3,4	NPD	NPD	NPD		
Safety in use						
Bullet resistance	1	NPD	NPD	NPD		
Explosion resistance	1	NPD	NPD	NPD		
Burglar resistance	3	NPD	NPD	NPD		
Pendulum body impact resistance	3	NPD	NPD	NPD		
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD	NPD	NPD		
Wind, snow, permanent and imposed load resistance (mm)	4	NPD	NPD	NPD		
Protection against noise						
Direct airborne sound reduction (db)	3	NPD	NPD	NPD		
Thermal properties						
U-value (W/m²K)	3	NPD	NPD	NPD		
Declared normal emissivity ϵ_n coated side		0.01	0.01	0.01		
Radiation properties						
Light transmission: τ_v	3	74	74	75		
Light reflection coated/uncoated side ρ_v, ρ_v'		17 / 18	17 / 18	17 / 19		
Solar energy characteristics						
Solar transmission τ_e		43	43	44		
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	43 / 28	43 / 27	43 / 27		
Solar factor		NPD	NPD	NPD		
Durability	3	PASS	PASS	PASS		

NPD: No Performance Determined

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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon N 10 (laminated safety glass, SI, SC)



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

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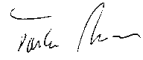
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Essential characteristics	LE/DoP-Nr.	431391/CPR/ 2013-07-01	431395/CPR/ 2013-07-01	431382/CPR/ 2013-07-01	431380/CPR/ 2013-07-01	431385/CPR/ 2013-07-01	
	AVCP Systems	44.1 (SI)	44.2 (SI)	44.2 (SC)	44.3 (SC)	44.4 (SC)	
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	
Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	
External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD	NPD	NPD	NPD	NPD	
Wind, snow, permanent and imposed load resistance (mm)	4	NPD	NPD	NPD	NPD	NPD	
Protection against noise							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	
Declared normal emissivity ϵ_n , coated side		0.01	0.01	0.01	0.01	0.01	
Radiation properties							
Light transmission: τ_v	3	75	75	75	75	75	
Light reflection coated/uncoated side ρ_v, ρ_v'		17 / 19	17 / 19	17 / 19	17 / 19	17 / 19	
Solar energy characteristics							
Solar transmission τ_e		45	45	44	44	44	
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	43 / 31	43 / 30	43 / 30	43 / 29	43 / 29	
Solar factor		NPD	NPD	NPD	NPD	NPD	
Durability	3	PASS	PASS	PASS	PASS	PASS	

NPD: No Performance Determined

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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, 2020-04-01	



Declaration of Performance arcon N10 (low iron glass)



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

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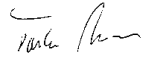
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	131324/CPR/ 2013-07-01	131325/CPR/ 2013-07-01	131326/CPR/ 2013-07-01	131328/CPR/ 2013-07-01	131330/CPR/ 2013-07-01	131332/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/m ² K)	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	76	76	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'		17 / 19	17 / 19	17 / 19	17 / 19	17 / 19	17 / 19
Solar energy characteristics							
Solar transmission τ_e	3	50	50	49	49	49	48
Solar reflection coated/uncoated side ρ_e, ρ_e'		43 / 43	43 / 42	43 / 42	43 / 41	43 / 40	43 / 39
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.
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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, 2020-04-01	



Declaration of Performance

arcon N34



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

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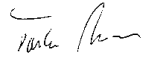
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Essential characteristics	LE/DoP-Nr.	131804/CPR/ 2013-07-01	131805/CPR/ 2013-07-01	131806/CPR/ 2013-07-01	131808/CPR/ 2013-07-01	131810/CPR/ 2013-07-01	131812/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
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		0.03	0.03	0.03	0.03	0.03	0.03
Radiation properties							
Light transmission: τ_v	3	90	90	89	89	88	87
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Solar energy characteristics							
Solar transmission τ_e	3	66	65	64	63	61	60
Solar reflection coated/uncoated side ρ_e, ρ_e'		26 / 23	26 / 22	26 / 21	26 / 20	26 / 19	26 / 18
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.
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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, 2020-04-01	



Declaration of Performance

arcon N 34 (laminated safety glass)



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

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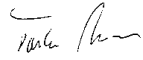
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Essential characteristics	LE/DoP-Nr.	40180100/CPR/ 2013-07-01	40180101/CPR/ 2013-07-01	40180110/CPR/ 2013-07-01	40180111/CPR/ 2013-07-01	40180120/CPR/ 2013-07-01	40180121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Safety in case of 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		0.03	0.03	0.03	0.03	0.03	0.03
Radiation properties							
Light transmission: τ_v	3	89	89	89	89	88	88
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Solar energy characteristics							
Solar transmission τ_e	3	61	61	60	60	59	59
Solar reflection coated/uncoated side ρ_e, ρ_e'		26 / 19	26 / 18	26 / 18	26 / 17	26 / 17	26 / 16
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

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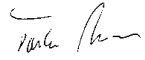
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	LE/DoP-Nr.	40180130/CPR/ 2013-07-01	40180131/CPR/ 2013-07-01			
Essential characteristics	AVCP Systems	66.1	66.2			
Safety in case of fire						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3,4	NPD	NPD			
External fire performance	3,4	NPD	NPD			
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		0.03	0.03			
Radiation properties						
Light transmission: τ_v	3	87	87			
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 5	4 / 5			
Solar energy characteristics						
Solar transmission τ_e		58	57			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	26 / 16	25 / 15			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon N 34 (laminated safety glass, SI, SC)



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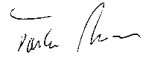
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40180310/CPR/ 2013-07-01	40180311/CPR/ 2013-07-01	40180311/CPR/ 2013-07-01	40180312/CPR/ 2013-07-01	40180313/CPR/ 2013-07-01	
	AVCP Systems	44.1 (SI)	44.2 (SI)	44.2 (SC)	44.3 (SC)	44.4 (SC)	
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	
Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	
External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	
Safety in use							
Bullet resistance	1	NPD	NPD	NPD	NPD	NPD	
Explosion resistance	1	NPD	NPD	NPD	NPD	NPD	
Burglar resistance	3	NPD	NPD	NPD	NPD	NPD	
Pendulum body impact resistance	3	NPD	NPD	NPD	NPD	NPD	
Resistance against sudden temperature changes and temperature differentials (K)	4	NPD	NPD	NPD	NPD	NPD	
Wind, snow, permanent and imposed load resistance (mm)	4	NPD	NPD	NPD	NPD	NPD	
Protection against noise							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	
Thermal properties							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	
Declared normal emissivity ϵ_n , coated side		0.03	0.03	0.03	0.03	0.03	
Radiation properties							
Light transmission: τ_v	3	89	89	89	89	89	
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	
Solar energy characteristics							
Solar transmission τ_e	3	60	60	60	60	59	
Solar reflection coated/uncoated side ρ_e, ρ_e'		26 / 18	26 / 17	26 / 17	26 / 16	26 / 15	
Solar factor		NPD	NPD	NPD	NPD	NPD	
Durability	3	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, 2020-04-01	



Declaration of Performance arcon N34 (low iron glass)



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

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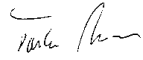
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	131824/CPR/ 2013-07-01	131825/CPR/ 2013-07-01	131826/CPR/ 2013-07-01	131828/CPR/ 2013-07-01	131830/CPR/ 2013-07-01	131832/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	0.03	0.03	0.03	0.03	0.03	0.03
Radiation properties							
Light transmission: τ_v	3	91	91	91	90	90	89
Light reflection coated/uncoated side ρ_v, ρ_v'	3	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Solar energy characteristics							
Solar transmission τ_e	3	68	67	67	66	66	65
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	26 / 26	26 / 25	26 / 25	26 / 24	26 / 24	26 / 23
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A40



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

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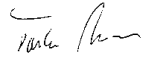
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	134304/CPR/ 2013-07-01	134305/CPR/ 2013-07-01	134306/CPR/ 2013-07-01	134308/CPR/ 2013-07-01	134310/CPR/ 2013-07-01	134312/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	47	47	47	47	46	46
Light reflection coated/uncoated side ρ_v, ρ_v'	3	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20
Solar energy characteristics							
Solar transmission τ_e	3	23	23	23	23	22	22
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 34	42 / 32	42 / 31	42 / 30	42 / 28	42 / 26
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A40 (laminated safety glass)



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

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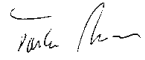
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40400100/CPR/ 2013-07-01	40400101/CPR/ 2013-07-01	40400110/CPR/ 2013-07-01	40400111/CPR/ 2013-07-01	40400120/CPR/ 2013-07-01	40400121/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	47	47	47	47	46	46
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 20	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20
Solar energy characteristics							
Solar transmission τ_e	3	22	22	22	22	22	22
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 28	42 / 27	42 / 27	42 / 26	42 / 26	42 / 25
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.
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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, 2020-04-01	



Declaration of Performance

arcon sunbelt A40 (laminated safety glass)



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

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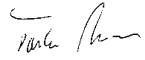
EN 1096-4:2004

	LE/DoP-Nr.	40400130/CPR/ 2013-07-01	40400131/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	46	46			
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 20	4 / 20			
Solar energy characteristics						
Solar transmission τ_e		21	21			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

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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, 2020-04-01	



Declaration of Performance

arcon sunbelt A50



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

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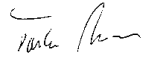
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	135304/CPR/ 2013-07-01	135305/CPR/ 2013-07-01	135306/CPR/ 2013-07-01	135308/CPR/ 2013-07-01	135310/CPR/ 2013-07-01	135312/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	59	58	58	58	57	57
Light reflection coated/uncoated side ρ_v, ρ_v'	3	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15
Solar energy characteristics							
Solar transmission τ_e	3	29	29	29	28	28	28
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 34	42 / 33	42 / 32	42 / 30	42 / 28	42 / 26
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A50 (laminated safety glass)



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

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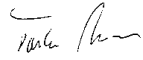
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Essential characteristics	LE/DoP-Nr.	40420100/CPR/ 2013-07-01	40420101/CPR/ 2013-07-01	40420110/CPR/ 2013-07-01	40420111/CPR/ 2013-07-01	40420120/CPR/ 2013-07-01	40420121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Safety in case of 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	58	58	58	58	57	57
Light reflection coated/uncoated side ρ_v, ρ_v'		5 / 15	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15
Solar energy characteristics							
Solar transmission τ_e	3	28	27	28	27	27	27
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 28	42 / 27	42 / 27	42 / 26	42 / 26	42 / 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, 2020-04-01	



Declaration of Performance

arcon sunbelt A50 (laminated safety glass)



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

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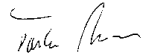
EN 1096-4:2004

	LE/DoP-Nr.	40420130/CPR/ 2013-07-01	40420131/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	57	57			
Light reflection coated/uncoated side ρ_v, ρ_v'		5 / 15	5 / 15			
Solar energy characteristics						
Solar transmission τ_e		27	27			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A51



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

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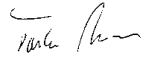
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	10082004/CPR/ 2013-07-01	10082005/CPR/ 2013-07-01	10082006/CPR/ 2013-07-01	10082008/CPR/ 2013-07-01	10082010/CPR/ 2013-07-01	10082012/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	58	58	58	57	57	56
Light reflection coated/uncoated side ρ_v, ρ_v'	3	4 / 12	4 / 12	4 / 12	4 / 12	4 / 12	4 / 11
Solar energy characteristics							
Solar transmission τ_e	3	29	29	28	28	28	27
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	44 / 36	44 / 34	44 / 33	44 / 31	44 / 29	44 / 27
Solar factor	3	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, 2020-10-01	



Declaration of Performance

arcon sunbelt A51 (laminated safety glass)



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

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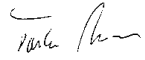
EN 1096-4:2004

	LE/DoP-Nr.	40082100/CPR/ 2013-07-01	40082101/CPR/ 2013-07-01	40082110/CPR/ 2013-07-01	40082111/CPR/ 2013-07-01	40082120/CPR/ 2013-07-01	40082121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Essential characteristics							
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	57	57	57	57	57	57
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 12	4 / 12	4 / 12	4 / 12	4 / 12	4 / 12
Solar energy characteristics							
Solar transmission τ_e	3	28	27	27	27	27	27
Solar reflection coated/uncoated side ρ_e, ρ_e'		44 / 29	44 / 28	44 / 28	44 / 27	44 / 27	44 / 26
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, 2020-10-01	



Declaration of Performance

arcon sunbelt A51 (laminated safety glass)



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

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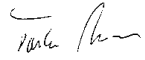
EN 1096-4:2004

	LE/DoP-Nr.	40082130/CPR/ 2013-07-01	40082131/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	56	56			
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 12	4 / 11			
Solar energy characteristics						
Solar transmission τ_e		27	27			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	44 / 25	44 / 24			
Solar factor		NPD	NPD			
Durability	3	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, 2020-10-01	



Declaration of Performance

arcon sunbelt A60



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

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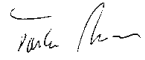
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Essential characteristics	LE/DoP-Nr.	136304/CPR/ 2013-07-01	136305/CPR/ 2013-07-01	136306/CPR/ 2013-07-01	136308/CPR/ 2013-07-01	136310/CPR/ 2013-07-01	136312/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
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	68	68	68	67	67	67
Light reflection coated/uncoated side ρ_v, ρ_v'	3	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10
Solar energy characteristics							
Solar transmission τ_e	3	35	35	35	34	34	33
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 35	42 / 34	42 / 32	42 / 30	42 / 28	42 / 27
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A60 (laminated safety glass)



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

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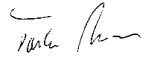
EN 1096-4:2004

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	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Essential characteristics							
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	67	67	67	67	67	67
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 10	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10
Solar energy characteristics							
Solar transmission τ_e	3	33	33	33	33	33	32
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 29	42 / 27	42 / 28	42 / 26	42 / 26	42 / 25
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, 2020-04-01	



Declaration of Performance

arcon sunbelt A60 (laminated safety glass)



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

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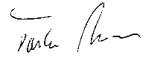
EN 1096-4:2004

	LE/DoP-Nr.	40440130/CPR/ 2013-07-01	40440131/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	66	66			
Light reflection coated/uncoated side ρ_v, ρ_v'		4 / 10	4 / 10			
Solar energy characteristics						
Solar transmission τ_e		32	32			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A70



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

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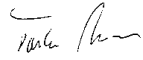
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Essential characteristics	LE/DoP-Nr.	137304/CPR/ 2013-07-01	137305/CPR/ 2013-07-01	137306/CPR/ 2013-07-01	137308/CPR/ 2013-07-01	137310/CPR/ 2013-07-01	137312/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Safety in case of fire							
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	77	77	77	76	76	75
Light reflection coated/uncoated side ρ_v, ρ_v'	3	6 / 8	6 / 8	6 / 8	6 / 8	6 / 8	6 / 8
Solar energy characteristics							
Solar transmission τ_e	3	40	39	39	39	38	38
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	42 / 35	42 / 34	42 / 32	41 / 30	41 / 28	41 / 26
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A70 (laminated safety glass)



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

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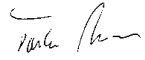
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	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Essential characteristics							
Safety in case of fire							
Resistance to fire	1	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	3,4	NPD	NPD	NPD	NPD	NPD	NPD
External fire performance	3,4	NPD	NPD	NPD	NPD	NPD	NPD
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	76	76	76	76	75	75
Light reflection coated/uncoated side ρ_v, ρ_v'		6 / 8	6 / 9	6 / 8	6 / 8	6 / 8	6 / 8
Solar energy characteristics							
Solar transmission τ_e	3	38	38	38	37	37	37
Solar reflection coated/uncoated side ρ_e, ρ_e'		42 / 28	42 / 27	42 / 27	41 / 26	41 / 26	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, 2020-04-01	



Declaration of Performance

arcon sunbelt A70 (laminated safety glass)



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

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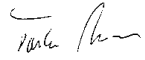
EN 1096-4:2004

	LE/DoP-Nr.	40460130/CPR/ 2013-07-01	40460131/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/m ² K)	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'		6 / 8	6 / 8			
Solar energy characteristics						
Solar transmission τ_e		37	36			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	41 / 24	41 / 23			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt D40 oHT



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

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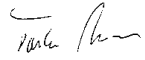
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	130204/CPR/ 2013-07-01	130205/CPR/ 2013-07-01	130206/CPR/ 2013-07-01	130208/CPR/ 2013-07-01	130210/CPR/ 2013-07-01	130212/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	0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	44	44	44	44	43	43
Light reflection coated/uncoated side ρ_v, ρ_v'	3	9 / 35	9 / 34	9 / 34	9 / 34	9 / 33	9 / 33
Solar energy characteristics							
Solar transmission τ_e	3	29	29	28	28	28	27
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	28 / 40	28 / 39	28 / 38	28 / 36	28 / 34	28 / 33
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt D40 oHT (laminated safety glass)



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

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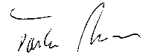
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40020100/CPR/ 2013-07-01	40020101/CPR/ 2013-07-01	40020110/CPR/ 2013-07-01	40020111/CPR/ 2013-07-01	40020120/CPR/ 2013-07-01	40020121/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		0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	44	44	44	43	43	43
Light reflection coated/uncoated side ρ_v, ρ_v'		9 / 34	9 / 34	9 / 34	9 / 34	9 / 33	9 / 33
Solar energy characteristics							
Solar transmission τ_e	3	28	27	27	27	27	26
Solar reflection coated/uncoated side ρ_e, ρ_e'		28 / 35	28 / 34	28 / 34	28 / 33	28 / 32	28 / 31
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.
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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt D40 oHT (laminated safety glass)



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

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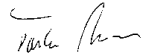
EN 1096-4:2004

	LE/DoP-Nr.	40020130/CPR/ 2013-07-01	40020131/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		0,03	0,03			
Radiation properties						
Light transmission: τ_v	3	43	43			
Light reflection coated/uncoated side ρ_v, ρ_v'		9 / 33	9 / 33			
Solar energy characteristics						
Solar transmission τ_e		26	26			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	28 / 31	28 / 30			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt D50 oHT



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

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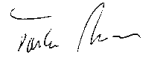
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	134804/CPR/ 2013-07-01	134805/CPR/ 2013-07-01	134806/CPR/ 2013-07-01	134808/CPR/ 2013-07-01	134810/CPR/ 2013-07-01	134812/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	0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	55	55	55	54	54	53
Light reflection coated/uncoated side ρ_v, ρ_v'	3	15 / 28	15 / 28	15 / 27	15 / 27	15 / 27	15 / 26
Solar energy characteristics							
Solar transmission τ_e	3	35	34	34	33	32	32
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	38 / 40	38 / 39	38 / 37	38 / 35	38 / 33	38 / 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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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, 2020-04-01	



Declaration of Performance

arcon sunbelt D50 oHT (laminated safety glass)



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

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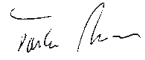
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40480100/CPR/ 2013-07-01	40480101/CPR/ 2013-07-01	40480110/CPR/ 2013-07-01	40480111/CPR/ 2013-07-01	40480120/CPR/ 2013-07-01	40480121/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		0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	54	54	54	54	54	54
Light reflection coated/uncoated side ρ_v, ρ_v'		15 / 27	15 / 27	15 / 27	15 / 27	15 / 27	15 / 27
Solar energy characteristics							
Solar transmission τ_e	3	32	32	32	32	31	31
Solar reflection coated/uncoated side ρ_e, ρ_e'		38 / 34	38 / 33	38 / 33	38 / 32	38 / 31	38 / 30
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.
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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt D50 oHT (laminated safety glass)



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

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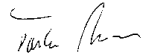
EN 1096-4:2004

	LE/DoP-Nr.	40480130/CPR/ 2013-07-01	40480131/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		0,03	0,03			
Radiation properties						
Light transmission: τ_v	3	53	53			
Light reflection coated/uncoated side ρ_v, ρ_v'		15 / 26	15 / 26			
Solar energy characteristics						
Solar transmission τ_e		31	31			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	38 / 29	38 / 29			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

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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, 2020-04-01	



Declaration of Performance

arcon sunbelt D60 oHT



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

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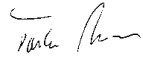
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	130404/CPR/ 2013-07-01	130405/CPR/ 2013-07-01	130406/CPR/ 2013-07-01	130408/CPR/ 2013-07-01	130410/CPR/ 2013-07-01	130412/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	0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	64	64	64	63	63	62
Light reflection coated/uncoated side ρ_v, ρ_v'	3	14 / 25	14 / 25	14 / 25	14 / 24	14 / 24	14 / 24
Solar energy characteristics							
Solar transmission τ_e	3	43	43	42	41	40	40
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	36 / 37	36 / 36	36 / 35	35 / 33	35 / 31	35 / 29
Solar factor	3	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.
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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt D60 oHT (laminated safety glass)



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

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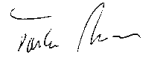
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40040100/CPR/ 2013-07-01	40040101/CPR/ 2013-07-01	40040110/CPR/ 2013-07-01	40040111/CPR/ 2013-07-01	40040120/CPR/ 2013-07-01	40040121/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		0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	63	63	63	63	62	62
Light reflection coated/uncoated side ρ_v, ρ_v'		14 / 24	14 / 24	14 / 24	14 / 24	14 / 24	14 / 24
Solar energy characteristics							
Solar transmission τ_e	3	40	40	40	39	39	39
Solar reflection coated/uncoated side ρ_e, ρ_e'		35 / 31	35 / 30	35 / 30	35 / 29	35 / 29	35 / 28
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.
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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt D60 oHT (laminated safety glass)



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

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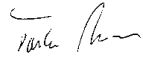
EN 1096-4:2004

	LE/DoP-Nr.	40040130/CPR/ 2013-07-01	40040131/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		0,03	0,03			
Radiation properties						
Light transmission: τ_v	3	62	62			
Light reflection coated/uncoated side ρ_v, ρ_v'		14 / 24	14 / 24			
Solar energy characteristics						
Solar transmission τ_e		38	38			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	35 / 27	35 / 26			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt D70 oHT



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

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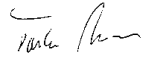
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	130604/CPR/ 2013-07-01	130605/CPR/ 2013-07-01	130606/CPR/ 2013-07-01	130608/CPR/ 2013-07-01	130610/CPR/ 2013-07-01	130612/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	0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	75	75	75	74	73	73
Light reflection coated/uncoated side ρ_v, ρ_v'	3	13 / 17	13 / 16	13 / 16	13 / 16	13 / 16	13 / 16
Solar energy characteristics							
Solar transmission τ_e	3	50	49	49	48	47	46
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	35 / 32	35 / 31	35 / 30	35 / 28	35 / 27	35 / 25
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt D70 oHT (laminated safety glass)



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

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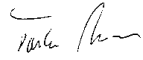
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40060100/CPR/ 2013-07-01	40060101/CPR/ 2013-07-01	40060110/CPR/ 2013-07-01	40060111/CPR/ 2013-07-01	40060120/CPR/ 2013-07-01	40060121/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		0,03	0,03	0,03	0,03	0,03	0,03
Radiation properties							
Light transmission: τ_v	3	74	74	74	74	73	73
Light reflection coated/uncoated side ρ_v, ρ_v'		13 / 16	13 / 16	13 / 16	13 / 16	13 / 16	13 / 16
Solar energy characteristics							
Solar transmission τ_e	3	47	46	46	46	45	45
Solar reflection coated/uncoated side ρ_e, ρ_e'		35 / 27	35 / 26	35 / 26	35 / 25	35 / 24	35 / 23
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, 2020-04-01	



Declaration of Performance

arcon sunbelt D70 oHT (laminated safety glass)



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

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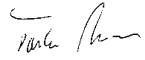
EN 1096-4:2004

	LE/DoP-Nr.	40060130/CPR/ 2013-07-01	40060131/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		0,03	0,03			
Radiation properties						
Light transmission: τ_v	3	73	73			
Light reflection coated/uncoated side ρ_v, ρ_v'		13 / 16	13 / 16			
Solar energy characteristics						
Solar transmission τ_e		44	44			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	35 / 23	35 / 22			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.
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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, 2020-04-01	



Declaration of Performance

arcon decochrome oHT



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

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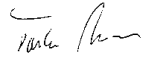
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	10066004/CPR/ 2013-07-01	10066005/CPR/ 2013-07-01	10066006/CPR/ 2013-07-01	10066008/CPR/ 2013-07-01	10066010/CPR/ 2013-07-01	10066012/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	0,27	0,27	0,27	0,27	0,27	0,27
Radiation properties							
Light transmission: τ_v	3	5	5	5	5	5	5
Light reflection coated/uncoated side ρ_v, ρ_v'	3	61 / 49	61 / 49	61 / 49	61 / 48	61 / 47	61 / 47
Solar energy characteristics							
Solar transmission τ_e	3	7	7	7	7	6	6
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	57 / 42	57 / 41	57 / 40	57 / 38	57 / 37	57 / 35
Solar factor	3	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.
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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, 2020-04-01	



Declaration of Performance

arcon decogold oHT



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

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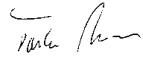
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.						
	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	0,19	0,19	0,19	0,19	0,19	0,19
Radiation properties							
Light transmission: τ_v	3	2	2	2	2	2	2
Light reflection coated/uncoated side ρ_v, ρ_v'	3	31 / 42	31 / 42	31 / 42	31 / 41	31 / 41	31 / 40
Solar energy characteristics							
Solar transmission τ_e	3	2	2	2	2	2	2
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	45 / 36	45 / 34	45 / 33	45 / 31	45 / 29	45 / 27
Solar factor	3	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, 2020-10-01	



Declaration of Performance

arcon sunlite bright oHT



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

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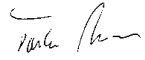
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	137404/CPR/ 2013-07-01	137405/CPR/ 2013-07-01	137406/CPR/ 2013-07-01	137408/CPR/ 2013-07-01	137410/CPR/ 2013-07-01	137412/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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	66	65	65	65	64	64
Light reflection coated/uncoated side ρ_v, ρ_v'	3	33 / 32	33 / 32	33 / 32	33 / 31	33 / 31	33 / 30
Solar energy characteristics							
Solar transmission τ_e	3	68	67	65	64	63	61
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	26 / 24	26 / 24	26 / 23	26 / 22	26 / 22	25 / 21
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunlite bright oHT (laminated safety glass)



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

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EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	40740100/CPR/ 2013-07-01	40740101/CPR/ 2013-07-01	40740110/CPR/ 2013-07-01	40740111/CPR/ 2013-07-01	40740120/CPR/ 2013-07-01	40740121/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		NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	65	65	65	65	64	64
Light reflection coated/uncoated side ρ_v, ρ_v'		33 / 32	33 / 32	33 / 31	33 / 31	33 / 31	33 / 31
Solar energy characteristics							
Solar transmission τ_e	3	62	61	61	59	59	58
Solar reflection coated/uncoated side ρ_e, ρ_e'		26 / 22	26 / 22	26 / 22	25 / 21	25 / 21	25 / 21
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, 2020-04-01	



Declaration of Performance

arcon sunlite bright oHT (laminated safety glass)



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

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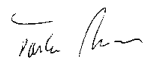
EN 1096-4:2004

	LE/DoP-Nr.	40074130/CPR/ 2013-07-01	40074131/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		NPD	NPD			
Radiation properties						
Light transmission: τ_v	3	64	64			
Light reflection coated/uncoated side ρ_v, ρ_v'		33 / 30	33 / 30			
Solar energy characteristics						
Solar transmission τ_e		57	56			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	25 / 20	25 / 20			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt E70



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

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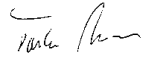
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	134904/CPR/ 2013-07-01	134905/CPR/ 2013-07-01	134906/CPR/ 2013-07-01	134908/CPR/ 2013-07-01	134910/CPR/ 2013-07-01	134912/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	78	78	77	77	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'	3	6 / 7	6 / 7	6 / 7	6 / 7	6 / 7	6 / 7
Solar energy characteristics							
Solar transmission τ_e	3	42	41	41	40	40	39
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	41 / 34	41 / 32	41 / 31	41 / 29	41 / 27	41 / 20
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt E70 (laminated safety glass)



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

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EN 1096-4:2004

	LE/DoP-Nr.	40490100/CPR/ 2013-07-01	40490101/CPR/ 2013-07-01	40490110/CPR/ 2013-07-01	40490111/CPR/ 2013-07-01	40490120/CPR/ 2013-07-01	40490121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Essential characteristics							
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	76	77	77	77	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'		6 / 7	6 / 7	6 / 7	6 / 7	6 / 7	6 / 7
Solar energy characteristics							
Solar transmission τ_e	3	39	40	39	39	39	39
Solar reflection coated/uncoated side ρ_e, ρ_e'		41 / 29	41 / 28	41 / 27	41 / 26	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.
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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, 2020-04-01	



Declaration of Performance

arcon sunbelt E70 (laminated safety glass)



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

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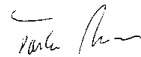
EN 1096-4:2004

	LE/DoP-Nr.	40490130/CPR/ 2013-07-01	40490131/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	76	76			
Light reflection coated/uncoated side ρ_v, ρ_v'		6 / 7	6 / 7			
Solar energy characteristics						
Solar transmission τ_e		38	38			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	41 / 23	41 / 22			
Solar factor		NPD	NPD			
Durability	3	PASS	PASS			

NPD: No Performance Determined

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Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2020-04-01	



Declaration of Performance

arcon sunbelt gold 29/28



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

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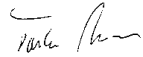
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	132604/CPR/ 2013-07-01	132605/CPR/ 2013-07-01	132606/CPR/ 2013-07-01	132608/CPR/ 2013-07-01	132610/CPR/ 2013-07-01	132612/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

The performance of the product identified is in conformity with the declared performance above.
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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, 2020-04-01	



Declaration of Performance

arcon sunbelt silber 40/21



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

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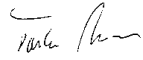
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	138304/CPR/ 2013-07-01	138305/CPR/ 2013-07-01	138306/CPR/ 2013-07-01	138308/CPR/ 2013-07-01	138310/CPR/ 2013-07-01	138312/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

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, 2020-04-01	



Declaration of Performance

arcon sunbelt silber 40/21 (laminated safety glass)



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

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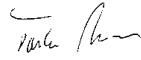
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	LE/DoP-Nr.	438306/CPR/ 2013-07-01	438326/CPR/ 2013-07-01	438308/CPR/ 2013-07-01	438328/CPR/ 2013-07-01	438310/CPR/ 2013-07-01	438330/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
Essential characteristics							
Safety in case of fire							
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	44	44	43	43	43	43
Light reflection coated/uncoated side ρ_v, ρ_v'		12 / 31	12 / 31	12 / 31	12 / 31	12 / 30	12 / 30
Solar energy characteristics							
Solar transmission τ_e	3	21	20	20	20	20	20
Solar reflection coated/uncoated side ρ_e, ρ_e'		46 / 43	46 / 41	46 / 41	46 / 40	46 / 39	46 / 38
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, 2020-04-01	



Declaration of Performance

arcon sunbelt silber 40/21 (laminated safety glass)



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

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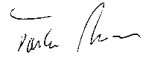
EN 1096-4:2004

	LE/DoP-Nr.	438312/CPR/ 2013-07-01	438332/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	43	43			
Light reflection coated/uncoated side ρ_v, ρ_v'		12 / 30	12 / 30			
Solar energy characteristics						
Solar transmission τ_e		20	20			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	46 / 37	46 / 36			
Solar factor		NPD	NPD			
Durability	3	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, 2020-04-01	



Declaration of Performance

arcon N10 HT



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

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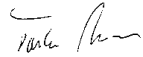
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	131404/CPR/ 2013-07-01	131405/CPR/ 2013-07-01	131406/CPR/ 2013-07-01	131408/CPR/ 2013-07-01	131410/CPR/ 2013-07-01	131412/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon N34 HT



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

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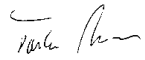
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	131904/CPR/ 2013-07-01	131905/CPR/ 2013-07-01	131906/CPR/ 2013-07-01	131908/CPR/ 2013-07-01	131910/CPR/ 2013-07-01	131912/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt HT A40



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

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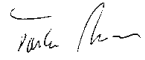
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	134204/CPR/ 2013-07-01	134205/CPR/ 2013-07-01	134206/CPR/ 2013-07-01	134208/CPR/ 2013-07-01	134210/CPR/ 2013-07-01	134212/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt HT A50



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

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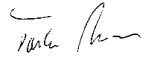
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	135204/CPR/ 2013-07-01	135205/CPR/ 2013-07-01	135206/CPR/ 2013-07-01	135208/CPR/ 2013-07-01	135210/CPR/ 2013-07-01	135212/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt HT A51



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

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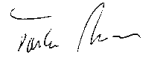
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	10083004/CPR/ 2013-07-01	10083005/CPR/ 2013-07-01	10083006/CPR/ 2013-07-01	10083008/CPR/ 2013-07-01	10083010/CPR/ 2013-07-01	10083012/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-10-01	



Declaration of Performance

arcon sunbelt HT A60



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

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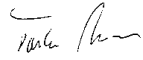
EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	136204/CPR/ 2013-07-01	136205/CPR/ 2013-07-01	136206/CPR/ 2013-07-01	136208/CPR/ 2013-07-01	136210/CPR/ 2013-07-01	136212/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	



Declaration of Performance

arcon sunbelt HT A70



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

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EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	137204/CPR/ 2013-07-01	137205/CPR/ 2013-07-01	137206/CPR/ 2013-07-01	137208/CPR/ 2013-07-01	137210/CPR/ 2013-07-01	137212/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	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	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	NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side ρ_v, ρ_v'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar energy characteristics							
Solar transmission τ_e	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	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, 2020-04-01	