



## Declaration of Performance

### arcon sunbelt A40



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

**arcon**  
 Flachglas-Veredlung GmbH & Co. KG  
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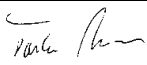
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10040004/CPR/ 2013-07-01	10040005/CPR/ 2013-07-01	10040006/CPR/ 2013-07-01	10040008/CPR/ 2013-07-01	10040010/CPR/ 2013-07-01	10040012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	47	47	47	47	46	46
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	23	23	23	23	22	22
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 34	42 / 32	42 / 31	42 / 30	42 / 28	42 / 26
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

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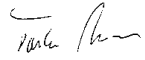
#### EN 1096-4:2018

	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
<b>Essential characteristics</b>							
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	47	47	47	47	46	46
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 20	4 / 20	4 / 20	4 / 20	4 / 20	4 / 20
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	22	22	22	22	22	22
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		42 / 28	42 / 27	42 / 27	42 / 26	42 / 26	42 / 25
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>							
	3	PASS	PASS	PASS	PASS	PASS	PASS

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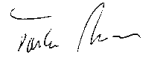
#### EN 1096-4:2018

	LE/DoP-Nr.	40040130/CPR/ 2013-07-01	40040131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	46	46			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 20	4 / 20			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		21	21			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
<b>Durability</b>	3	PASS	PASS			

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



## Declaration of Performance

### arcon sunbelt A50



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#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10042004/CPR/ 2013-07-01	10042005/CPR/ 2013-07-01	10042006/CPR/ 2013-07-01	10042008/CPR/ 2013-07-01	10042010/CPR/ 2013-07-01	10042012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	59	58	58	58	57	57
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	29	29	29	28	28	28
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 34	42 / 33	42 / 32	42 / 30	42 / 28	42 / 26
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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



## Declaration of Performance

### arcon sunbelt A50 (laminated safety glass)



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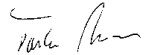
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	40042100/CPR/ 2013-07-01	40042101/CPR/ 2013-07-01	40042110/CPR/ 2013-07-01	40042111/CPR/ 2013-07-01	40042120/CPR/ 2013-07-01	40042121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m <sup>2</sup> K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	58	58	58	58	57	57
Light reflection coated/uncoated side $\rho_v, \rho_v'$		5 / 15	5 / 15	5 / 15	5 / 15	5 / 15	5 / 15
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	28	27	28	27	27	27
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		42 / 28	42 / 27	42 / 27	42 / 26	42 / 26	42 / 24
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

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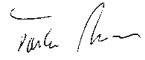
#### EN 1096-4:2018

	LE/DoP-Nr.	40420130/CPR/ 2013-07-01	40420131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	57	57			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		5 / 15	5 / 15			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		27	27			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
<b>Durability</b>	3	PASS	PASS			

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## Declaration of Performance

### arcon sunbelt A51



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

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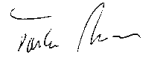
#### EN 1096-4:2018

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
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	58	58	58	57	57	56
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	4 / 12	4 / 12	4 / 12	4 / 12	4 / 12	4 / 11
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	29	29	28	28	28	27
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	44 / 36	44 / 34	44 / 33	44 / 31	44 / 29	44 / 27
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

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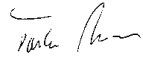
#### EN 1096-4:2018

	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
<b>Essential characteristics</b>							
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	57	57	57	57	57	57
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 12	4 / 12	4 / 12	4 / 12	4 / 12	4 / 12
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	28	27	27	27	27	27
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		44 / 29	44 / 28	44 / 28	44 / 27	44 / 27	44 / 26
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>							
	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	





## Declaration of Performance

### arcon sunbelt A51 (laminated safety glass)



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

**arcon**  
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**arcon**  
 Flachglas-Veredlung GmbH & Co. KG  
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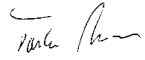
#### EN 1096-4:2018

	LE/DoP-Nr.	40082130/CPR/ 2013-07-01	40082131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	56	56			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 12	4 / 11			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		27	27			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	44 / 25	44 / 24			
Solar factor		NPD	NPD			
<b>Durability</b>	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, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A60



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

**arcon**  
 Flachglas-Veredlung GmbH & Co. KG  
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 Industriestraße 10  
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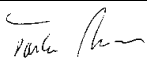
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10044004/CPR/ 2013-07-01	10044005/CPR/ 2013-07-01	10044006/CPR/ 2013-07-01	10044008/CPR/ 2013-07-01	10044010/CPR/ 2013-07-01	10044012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	68	68	68	67	67	67
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	35	35	35	34	34	33
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 35	42 / 34	42 / 32	42 / 30	42 / 28	42 / 27
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A60 (laminated safety glass)



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

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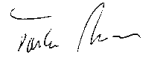
#### EN 1096-4:2018

	LE/DoP-Nr.	40044100/CPR/ 2013-07-01	40044101/CPR/ 2013-07-01	40044110/CPR/ 2013-07-01	40044111/CPR/ 2013-07-01	40044120/CPR/ 2013-07-01	40044121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
<b>Essential characteristics</b>							
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	67	67	67	67	67	67
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 10	4 / 10	4 / 10	4 / 10	4 / 10	4 / 10
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	33	33	33	33	33	32
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		42 / 29	42 / 27	42 / 28	42 / 26	42 / 26	42 / 25
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>							
	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A60 (laminated safety glass)



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

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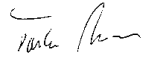
#### EN 1096-4:2018

	LE/DoP-Nr.	40044130/CPR/ 2013-07-01	40044131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	66	66			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 10	4 / 10			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		32	32			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 24	42 / 23			
Solar factor		NPD	NPD			
<b>Durability</b>	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, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A61



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

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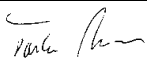
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10084004/CPR/ 2013-07-01	10084005/CPR/ 2013-07-01	10084006/CPR/ 2013-07-01	10084008/CPR/ 2013-07-01	10084010/CPR/ 2013-07-01	10084012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	68	68	67	67	66	66
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	4 / 9	4 / 9	4 / 9	4 / 9	4 / 9	4 / 9
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	35	35	34	34	34	33
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	43 / 34	43 / 32	43 / 31	43 / 29	43 / 27	43 / 25
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	



## Declaration of Performance

### arcon sunbelt A61 (laminated safety glass)



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

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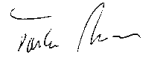
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	40084100/CPR/ 2013-07-01	40084101/CPR/ 2013-07-01	40084110/CPR/ 2013-07-01	40084111/CPR/ 2013-07-01	40084120/CPR/ 2013-07-01	40084121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m <sup>2</sup> K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	67	67	67	67	66	66
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 9	4 / 9	4 / 9	4 / 9	4 / 9	4 / 9
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	33	33	33	33	33	33
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		43 / 28	43 / 27	43 / 27	43 / 26	43 / 25	43 / 24
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	



## Declaration of Performance

### arcon sunbelt A61 (laminated safety glass)



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

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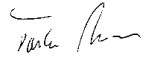
#### EN 1096-4:2018

	LE/DoP-Nr.	40084130/CPR/ 2013-07-01	40084131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	66	66			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		4 / 9	4 / 9			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		32	32			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	43 / 23	43 / 22			
Solar factor		NPD	NPD			
<b>Durability</b>	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, 2021-10-01	



## Declaration of Performance

### arcon sunbelt A70



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

**arcon**  
Flachglas-Veredlung GmbH & Co. KG  
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**arcon**  
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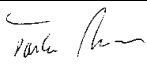
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10046004/CPR/ 2013-07-01	10046005/CPR/ 2013-07-01	10046006/CPR/ 2013-07-01	10046008/CPR/ 2013-07-01	10046010/CPR/ 2013-07-01	10046012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	77	77	77	76	76	75
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	6 / 8	6 / 8	6 / 8	6 / 8	6 / 8	6 / 8
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	40	39	39	39	38	38
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 35	42 / 34	42 / 32	41 / 30	41 / 28	41 / 26
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	





## Declaration of Performance

### arcon sunbelt A70 (laminated safety glass)



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

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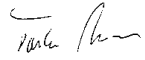
#### EN 1096-4:2018

	LE/DoP-Nr.	40046100/CPR/ 2013-07-01	40046101/CPR/ 2013-07-01	40046110/CPR/ 2013-07-01	40046111/CPR/ 2013-07-01	40046120/CPR/ 2013-07-01	40046121/CPR/ 2013-07-01
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>33.1</b>	<b>33.2</b>	<b>44.1</b>	<b>44.2</b>	<b>55.1</b>	<b>55.2</b>
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	76	76	76	76	75	75
Light reflection coated/uncoated side $\rho_v, \rho_v'$		6 / 8	6 / 9	6 / 8	6 / 8	6 / 8	6 / 8
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$		38	38	38	37	37	37
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	42 / 28	42 / 27	42 / 27	41 / 26	41 / 26	41 / 24
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A70 (laminated safety glass)



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

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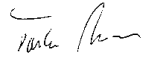
#### EN 1096-4:2018

	LE/DoP-Nr.	40046130/CPR/ 2013-07-01	40046131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	75	75			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		6 / 8	6 / 8			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		37	36			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	41 / 24	41 / 23			
Solar factor		NPD	NPD			
<b>Durability</b>	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, 2021-01-01	



## Declaration of Performance

### arcon sunbelt A71



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

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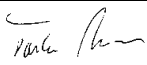
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10086004/CPR/ 2013-07-01	10086005/CPR/ 2013-07-01	10086006/CPR/ 2013-07-01	10086008/CPR/ 2013-07-01	10086010/CPR/ 2013-07-01	10086012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	77	77	77	76	76	75
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	40	39	39	39	38	38
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	43 / 36	43 / 35	43 / 33	43 / 31	43 / 29	43 / 27
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	



## Declaration of Performance

### arcon sunbelt A71 (laminated safety glass)



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

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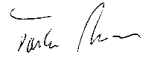
#### EN 1096-4:2018

	LE/DoP-Nr.	40086100/CPR/ 2013-07-01	40086101/CPR/ 2013-07-01	40086110/CPR/ 2013-07-01	40086111/CPR/ 2013-07-01	40086120/CPR/ 2013-07-01	40086121/CPR/ 2013-07-01
	AVCP Systems	33.1	33.2	44.1	44.2	55.1	55.2
<b>Essential characteristics</b>							
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Thermal properties</b>							
U-value (W/m <sup>2</sup> K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side		0.01	0.01	0.01	0.01	0.01	0.01
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	75	76	76	76	75	75
Light reflection coated/uncoated side $\rho_v, \rho_v'$		7 / 8	7 / 8	7 / 8	7 / 8	7 / 8	7 / 8
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	37	38	38	38	37	37
Solar reflection coated/uncoated side $\rho_e, \rho_e'$		43 / 30	43 / 28	43 / 28	43 / 27	43 / 27	43 / 25
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>							
	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	



## Declaration of Performance

### arcon sunbelt A71 (laminated safety glass)



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

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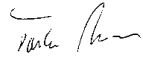
#### EN 1096-4:2018

	LE/DoP-Nr.	40086130/CPR/ 2013-07-01	40086131/CPR/ 2013-07-01			
<b>Essential characteristics</b>	<b>AVCP Systems</b>	<b>66.1</b>	<b>66.2</b>			
<b>Safety in case of fire</b>						
Resistance to fire	1	NPD	NPD			
Reaction to fire	3.4	NPD	NPD			
External fire performance	3.4	NPD	NPD			
<b>Safety in use</b>						
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			
<b>Protection against noise</b>						
Direct airborne sound reduction (db)	3	NPD	NPD			
<b>Thermal properties</b>						
U-value (W/m²K)	3	NPD	NPD			
Declared normal emissivity $\epsilon_n$ coated side		0.01	0.01			
<b>Radiation properties</b>						
Light transmission: $\tau_v$	3	75	75			
Light reflection coated/uncoated side $\rho_v, \rho_v'$		7 / 8	7 / 8			
<b>Solar energy characteristics</b>						
Solar transmission $\tau_e$		37	37			
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	43 / 25	43 / 24			
Solar factor		NPD	NPD			
<b>Durability</b>	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, 2021-10-01	



## Declaration of Performance

### arcon sunbelt HT A40



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

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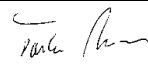
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10041004/CPR/ 2013-07-01	10041005/CPR/ 2013-07-01	10041006/CPR/ 2013-07-01	10041008/CPR/ 2013-07-01	10041010/CPR/ 2013-07-01	10041012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ , coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt HT A41



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

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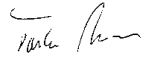
#### EN 1096-4:2004

Essential characteristics	LE/DoP-Nr.	10081004/CPR/ 2013-07-01	10081005/CPR/ 2013-07-01	10081006/CPR/ 2013-07-01	10081008/CPR/ 2013-07-01	10081010/CPR/ 2013-07-01	10081012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	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, 2023-04-01	



## Declaration of Performance

### arcon sunbelt HT A50



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

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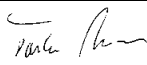
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10043004/CPR/ 2013-07-01	10043005/CPR/ 2013-07-01	10043006/CPR/ 2013-07-01	10043008/CPR/ 2013-07-01	10043010/CPR/ 2013-07-01	10043012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	





## Declaration of Performance

### arcon sunbelt HT A51



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

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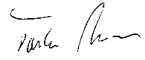
#### EN 1096-4:2018

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
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
 This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt HT A60



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

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#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10045004/CPR/ 2013-07-01	10045005/CPR/ 2013-07-01	10045006/CPR/ 2013-07-01	10045008/CPR/ 2013-07-01	10045010/CPR/ 2013-07-01	10045012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt HT A61



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

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**arcon**  
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#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10085004/CPR/ 2013-07-01	10085005/CPR/ 2013-07-01	10085006/CPR/ 2013-07-01	10085008/CPR/ 2013-07-01	10085010/CPR/ 2013-07-01	10085012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	



## Declaration of Performance

### arcon sunbelt HT A70



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

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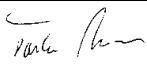
#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10047004/CPR/ 2013-07-01	10047005/CPR/ 2013-07-01	10047006/CPR/ 2013-07-01	10047008/CPR/ 2013-07-01	10047010/CPR/ 2013-07-01	10047012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-01-01	



## Declaration of Performance

### arcon sunbelt HT A71



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

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#### EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10087004/CPR/ 2013-07-01	10087005/CPR/ 2013-07-01	10087006/CPR/ 2013-07-01	10087008/CPR/ 2013-07-01	10087010/CPR/ 2013-07-01	10087012/CPR/ 2013-07-01
	AVCP Systems	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
<b>Safety in case of fire</b>							
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
<b>Safety in use</b>							
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
<b>Protection against noise</b>							
Direct airborne sound reduction (db)	3	30 (-2, -4)	30 (-1, -2)	31 (-1, -3)	32 (-1, -2)	34 (-2, -3)	35 (-2, -3)
<b>Thermal properties</b>							
U-value (W/m²K)	3	NPD	NPD	NPD	NPD	NPD	NPD
Declared normal emissivity $\epsilon_n$ coated side	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Radiation properties</b>							
Light transmission: $\tau_v$	3	NPD	NPD	NPD	NPD	NPD	NPD
Light reflection coated/uncoated side $\rho_v, \rho_v'$	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Solar energy characteristics</b>							
Solar transmission $\tau_e$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar reflection coated/uncoated side $\rho_e, \rho_e'$	3	NPD	NPD	NPD	NPD	NPD	NPD
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

The performance of the product identified is in conformity with the declared performance above.  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
Torsten Kunze Head Quality Management Coating Div.	Feuchtwangen, Bucha, 2021-10-01	