



Declaration of Performance

arcon N10



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

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 Flachglas-Veredlung GmbH & Co. KG
 Werk Feuchtwangen
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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		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'		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'		43 / 39	43 / 38	43 / 36	43 / 34	43 / 32	43 / 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.
 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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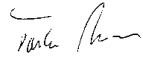
EN 1096-4:2004

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/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	76	76	75	75	74	74
Light reflection coated/uncoated side ρ_v, ρ_v'		17 / 19	17 / 19	17 / 19	17 / 19	17 / 18	17 / 18
Solar energy characteristics							
Solar transmission τ_e	3	46	46	45	45	44	44
Solar reflection coated/uncoated side ρ_e, ρ_e'		43 / 33	43 / 32	43 / 31	43 / 30	43 / 29	43 / 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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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 1096-4:2018

	LE/DoP-Nr.	40016130/CPR/ 2013-07-01	40016131/CPR/ 2013-07-01			
	AVCP Systems	66.1	66.2			
Essential characteristics						
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)						
Declared normal emissivity ϵ_n coated side	3	0.01	0.01			
Radiation properties						
Light transmission: τ_v		74	74			
Light reflection coated/uncoated side ρ_v, ρ_v'	3	17 / 18	17 / 18			
Solar energy characteristics						
Solar transmission τ_e		43	43			
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	43 / 28	43 / 27			
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, 2021-01-01	



Declaration of Performance

arcon N10 (low iron glass)



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

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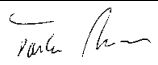
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10216004/CPR/ 2013-07-01	10216005CPR/ 2013-07-01	10216006/CPR/ 2013-07-01	10216008/CPR/ 2013-07-01	10216010CPR/ 2013-07-01	10216012/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	76	76	76	76
Light reflection coated/uncoated side ρ_v, ρ_v'	3	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'	3	43 / 43	43 / 42	43 / 42	43 / 41	43 / 40	43 / 39
Solar factor	3	NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

NPD: No Performance Determined

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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 N34



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

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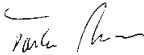
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10018004/CPR/ 2013-07-01	10018005/CPR/ 2013-07-01	10018006/CPR/ 2013-07-01	10018008/CPR/ 2013-07-01	10018010/CPR/ 2013-07-01	10018012/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	90	90	89	89	88	87
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	66	65	64	63	61	60
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	26 / 23	26 / 22	26 / 21	26 / 20	26 / 19	26 / 18
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, 2021-01-01	



Declaration of Performance

arcon N 34 (laminated safety glass)



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

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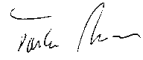
EN 1096-4:2018

	LE/DoP-Nr.	40018100/CPR/ 2013-07-01	40018101/CPR/ 2013-07-01	40018110/CPR/ 2013-07-01	40018111/CPR/ 2013-07-01	40018120/CPR/ 2013-07-01	40018121/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		0.03	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

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, 2021-01-01	



Declaration of Performance

arcon N 34 (laminated safety glass)



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

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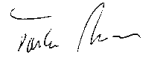
EN 1096-4:2018

	LE/DoP-Nr.	40018130/CPR/ 2013-07-01	40018131/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, 2021-01-01	



Declaration of Performance

arcon N34 (low iron glass)



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

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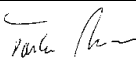
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10218004/CPR/ 2013-07-01	10218005/CPR/ 2013-07-01	10218006/CPR/ 2013-07-01	10218008/CPR/ 2013-07-01	10218010/CPR/ 2013-07-01	10218012/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

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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, 2021-01-01	



Declaration of Performance

arcon N10 HT



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

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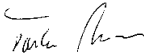
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10017004/CPR/ 2013-07-01	10017005/CPR/ 2013-07-01	10017006/CPR/ 2013-07-01	10017008CPR/ 2013-07-01	10017010/CPR/ 2013-07-01	10017012/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, 2021-01-01	



Declaration of Performance

arcon N10 HT (low iron)



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

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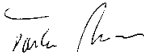
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	12217004/CPR/ 2013-07-01	12217005/CPR/ 2013-07-01	12217006/CPR/ 2013-07-01	12217008CPR/ 2013-07-01	12217010/CPR/ 2013-07-01	12217012/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, 2021-01-01	



Declaration of Performance

arcon N34 HT



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

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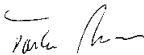
EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10019004/CPR/ 2013-07-01	10019005/CPR/ 2013-07-01	10019006/CPR/ 2013-07-01	10019008/CPR/ 2013-07-01	10019010/CPR/ 2013-07-01	10019012/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, 2021-01-01	



Declaration of Performance arcon N34 HT (low iron)



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

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EN 1096-4:2018

Essential characteristics	LE/DoP-Nr.	10219004/CPR/ 2013-07-01	10219005/CPR/ 2013-07-01	10219006/CPR/ 2013-07-01	10219008/CPR/ 2013-07-01	10219010/CPR/ 2013-07-01	10219012/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, 2021-01-01	