



Declaration of Performance

dots 9-X - ORNILUX design chrome oHT



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

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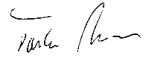
EN 1096-4:2018

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/m ² K)	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	90	89	89	88	88	87
Light reflection coated/uncoated side ρ_v, ρ_v'	3	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8
Solar energy characteristics							
Solar transmission τ_e	3	86	85	83	81	79	77
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	8 / 8	8 / 8	8 / 8	8 / 7	7 / 7	7 / 7
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, 2022-04-01	



Declaration of Performance

dart 9-90 - ORNILUX design chrome oHT



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

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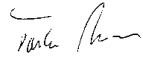
EN 1096-4:2018

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		NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	89	89	89	88	87	87
Light reflection coated/uncoated side ρ_v, ρ_v'		9 / 9	9 / 9	9 / 9	9 / 8	9 / 8	9 / 8
Solar energy characteristics							
Solar transmission τ_e		86	84	83	81	79	77
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 7
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, 2022-04-01	



Declaration of Performance

lines 5-95 - ORNILUX design chrome oHT



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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		NPD	NPD	NPD	NPD	NPD	NPD
Radiation properties							
Light transmission: τ_v	3	86	86	85	85	84	83
Light reflection coated/uncoated side ρ_v, ρ_v'		11 / 10	11 / 10	11 / 10	11 / 10	11 / 10	11 / 10
Solar energy characteristics							
Solar transmission τ_e		82	81	80	78	76	74
Solar reflection coated/uncoated side ρ_e, ρ_e'	3	10 / 9	10 / 9	10 / 9	10 / 9	10 / 9	10 / 8
Solar factor		NPD	NPD	NPD	NPD	NPD	NPD
Durability	3	PASS	PASS	PASS	PASS	PASS	PASS

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