

Declaration of Performance LE/DoP-No. 0003 PYRAN® S Thermally toughened borosilicate safety glass to be used in buildings and construction works EN 13024-2:2004	
SCHOTT Technical Glass Solutions GmbH Otto-Schott-Strasse 13 07745 Jena Germany	
Notified Certification Body:	Warrington Certification Ltd., NB-Nr. 1121
Certificate of conformity:	1121 – CPD – CA0003

Product type: PYRAN® S – type 5 mm

Essential characteristics	Performance	AVCP System
Resistance to fire	E30	1
Reaction to fire	A1	3, 4
External fire behaviour	NPD	3, 4
Bullet resistance	NPD	1
Explosion resistance	NPD	1
Burglar resistance	NPD	3
Pendulum body impact resistance	1 (C) 2	3
Resistance against sudden temperature changes and temperature differentials	300 K	4
Resistance against wind, snow, permanent load and/or imposed loads	5 mm - 120 N/mm ²	4
Direct airborne sound reduction	30 (-2, -3) dB	3
Emissivity	0,89	3
U-value	5,8 W/(m ² K)	
Light transmission	0,92	3
Light reflection	0,08 / 0,08	
Solar transmission	0,91	3
Solar reflection	0,07 / 0,07	
Solar factor (g-Value)	91	
Durability	Pass	3

E-Mail: info.pyran@schott.com
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**The performance of the named products is in conformity with the declared performance.
 This declaration of performance is issued under the sole responsibility of the manufacturer.
 Signed for and on behalf of the manufacturer by:**

Dr. Lutz Wehmeier, Vice President Technical Glass Solutions GmbH, Managing Director		Jena, 18/07/2013
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Product type: PYRAN® S – type 6 mm

Essential characteristics	Performance	AVCP System
Resistance to fire	E30, E60, E90, E120	1
Reaction to fire	A1	3, 4
External fire behaviour	NPD	3, 4
Bullet resistance	NPD	1
Explosion resistance	NPD	1
Burglar resistance	NPD	3
Pendulum body impact resistance	1 (C) 1	3
Resistance against sudden temperature changes and temperature differentials	300 K	4
Resistance against wind, snow, permanent load and/or imposed loads	6 mm - 120 N/mm ²	4
Direct airborne sound reduction	31 (-2, -3) dB	3
Emissivity	0,89	3
U-value	5,7 W / (m ² K)	
Light transmission	0,92	3
Light reflection	0,08 / 0,08	
Solar transmission	0,90	3
Solar reflection	0,08 / 0,08	
Solar factor (g-Value)	91	
Durability	Pass	3

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Product type: PYRAN® S – type 8 mm

Essential characteristics	Performance	AVCP System
Resistance to fire	E30, E60, E90, E120	1
Reaction to fire	A1	3, 4
External fire behaviour	NPD	3, 4
Bullet resistance	NPD	1
Explosion resistance	NPD	1
Burglar resistance	NPD	3
Pendulum body impact resistance	1 (C) 1	3
Resistance against sudden temperature changes and temperature differentials	300 K	4
Resistance against wind, snow, permanent load and/or imposed loads	8 mm - 120 N/mm ²	4
Direct airborne sound reduction	32 (-2, -3) dB	3
Emissivity	0,89	3
U-value	5,7 W / (m ² K)	
Light transmission	0,92	3
Light reflection	0,08 / 0,08	
Solar transmission	0,90	3
Solar reflection	0,08 / 0,08	
Solar factor (g-Value)	90	
Durability	Pass	3

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Certificate of conformity:	1121 – CPD – CA0003


Product type: PYRAN® S – type 10 mm

Essential characteristics	Performance	AVCP System
Resistance to fire	E30, E60, E90, E120	1
Reaction to fire	A1	3, 4
External fire behaviour	NPD	3, 4
Bullet resistance	NPD	1
Explosion resistance	NPD	1
Burglar resistance	NPD	3
Pendulum body impact resistance	1 (C) 1	3
Resistance against sudden temperature changes and temperature differentials	300 K	4
Resistance against wind, snow, permanent load and/or imposed loads	10 mm - 120 N/mm ²	4
Direct airborne sound reduction	33 (-2, -3) dB	3
Emissivity	0,89	3
U-value	5,6 W / (m ² K)	
Light transmission	0,92	3
Light reflection	0,08 / 0,08	
Solar transmission	0,90	3
Solar reflection	0,08 / 0,08	
Solar factor (g-Value)	90	
Durability	Pass	3

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Product type: PYRAN® S – type 12 mm

Essential characteristics	Performance	AVCP System
Resistance to fire	E30, E60, E90, E120	1
Reaction to fire	A1	3, 4
External fire behaviour	NPD	3, 4
Bullet resistance	NPD	1
Explosion resistance	NPD	1
Burglar resistance	NPD	3
Pendulum body impact resistance	1 (C) 1	3
Resistance against sudden temperature changes and temperature differentials	300 K	4
Resistance against wind, snow, permanent load and/or imposed loads	12 mm - 120 N/mm ²	4
Direct airborne sound reduction	34 (-2, -3) dB	3
Emissivity	0,89	3
U-value	5,5 W / (m ² K)	
Light transmission	0,91	3
Light reflection	0,08 / 0,08	
Solar transmission	0,89	3
Solar reflection	0,08 / 0,08	
Solar factor (g-Value)	90	
Durability	Pass	3

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