



Unique identification code of the product Type:	<b>PYRAN® S</b> <b>Declaration of performance no. 1121 – CPR – CA0003</b>
Intended use:	Thermally toughened borosilicate safety glass to be used in buildings and construction works
Manufacturer:	<b>SCHOTT Technical Glass Solutions GmbH</b> <b>Otto-Schott-Strasse 13</b> <b>07745 Jena</b> <b>Germany</b>
Harmonised standard:	EN 13024-2:2004
Notified bodies:	No.: 0086, 0402, 0432, 0589, 0672, 0757, 0761, 0786, 0832, 0833, 0843, 1121, 1139, 1166, 1234, 1288, 1314, 1322, 1343, 1396, 1644, 1812, 2502

Essential characteristics	AVCP systems	Declared performance/s	
		Type 5 mm	Type 6 mm
<b>Safety in the case of fire</b>			
Resistance to fire	1	E30	E30, E60, E90, E120
Reaction to fire	3, 4	A1	A1
External fire behaviour	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	1(C)2	1(C)1
Resistance against sudden temperature changes and temperature differentials	4	300 K	300 K
Resistance against wind, snow, permanent load and/or imposed loads	4	5 mm - 120 N/mm <sup>2</sup>	6 mm - 120 N/mm <sup>2</sup>
<b>Protection against noise</b>			
Direct airborne sound reduction	3	30 (-2, -3) dB	31 (-2, -3) dB
<b>Thermal properties</b>			
Emissivity	3	0,89	0,89
U-value		5,7 W/(m <sup>2</sup> K)	5,7 W/(m <sup>2</sup> K)
<b>Radiation properties</b>			
Light transmission	3	0,91	0,91
Light reflection		0,08 / 0,08	0,08 / 0,08
<b>Solar energy characteristics</b>			
Solar transmission	3	0,89	0,89
Solar reflection		0,07	0,08
Solar factor (g-Value)		0,90	0,90
<b>Durability</b>	3	Pass	Pass

<http://www.schott.com/architecture/german/products/fire-rated-glass/leistungserklaerung.html>

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Jena, 20/11/2015  
Kai Olbricht,  
Managing Director

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Essential characteristics	AVCP systems	Declared performance/s	
		Type 8 mm	Type 10 mm
<b>Safety in the case of fire</b>			
Resistance to fire	1	E30, E60, E90, E120	E30, E60, E90, E120
Reaction to fire	3, 4	A1	A1
External fire behaviour	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	1(C)1	1(C)1
Resistance against sudden temperature changes and temperature differentials	4	300 K	300 K
Resistance against wind, snow, permanent load and/or imposed loads	4	8 mm - 120 N/mm <sup>2</sup>	10 mm - 120 N/mm <sup>2</sup>
<b>Protection against noise</b>			
Direct airborne sound reduction	3	32 (-2, -3) dB	33 (-2, -3) dB
<b>Thermal properties</b>			
Emissivity	3	0,89	0,89
U-value		5,6 W/(m <sup>2</sup> K)	5,6 W/(m <sup>2</sup> K)
<b>Radiation properties</b>			
Light transmission	3	0,91	0,91
Light reflection		0,08 / 0,08	0,08 / 0,08
<b>Solar energy characteristics</b>			
Solar transmission	3	0,88	0,87
Solar reflection		0,08	0,08
Solar factor (g-Value)		0,89	0,88
<b>Durability</b>	3	Pass	Pass

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Essential characteristics	AVCP systems	Declared performance/s	
		Type 12 mm	
<b>Safety in the case of fire</b>			
Resistance to fire	1	E30, E60, E90, E120	
Reaction to fire	3, 4	A1	
External fire behaviour	3, 4	NPD	
<b>Safety in use</b>			
Bullet resistance	1	NPD	
Explosion resistance	1	NPD	
Burglar resistance	3	NPD	
Pendulum body impact resistance	3	1(C)1	
Resistance against sudden temperature changes and temperature differentials	4	300 K	
Resistance against wind, snow, permanent load and/or imposed loads	4	12 mm - 120 N/mm <sup>2</sup>	
<b>Protection against noise</b>			
Direct airborne sound reduction	3	34 (-2, -3) dB	
<b>Thermal properties</b>			
Emissivity	3	0,89	
U-value		5,5 W/(m <sup>2</sup> K)	
<b>Radiation properties</b>			
Light transmission	3	0,91	
Light reflection		0,08 / 0,08	
<b>Solar energy characteristics</b>			
Solar transmission	3	0,86	
Solar reflection		0,08	
Solar factor (g-Value)		0,88	
<b>Durability</b>	3	Pass	

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