



Unique identification code of the product Type:	PYRANOVA® secure Declaration of performance no. 1121 – CPR – CA0025
Intended use:	Laminated safety glass and insulating glass units to be used in buildings and construction works
Manufacturer:	SCHOTT Technical Glass Solutions GmbH Otto-Schott-Strasse 13 07745 Jena Germany
Harmonised standard:	EN 14449:2005 und EN 1279-5:2005+A2:2010
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	
		30 Type P4A / 5.4.2	30 Type P5A / 5.10.2
Safety in the case of fire			
Resistance to fire	1	EI30	EI30
Reaction to fire	3, 4	E	E
External fire behaviour	3, 4	NPD	NPD
Safety in use			
Bullet resistance	1	NPD	NPD
Explosion resistance	1	NPD	NPD
Burglar resistance	3	P4A	P5A
Pendulum body impact resistance	3	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	4	40 K	40 K
Resistance against wind, snow, permanent load and/or imposed loads	4	NPD	NPD
Protection against noise			
Direct airborne sound reduction	3	NPD	NPD
Thermal properties			
Emissivity	3	NPD	NPD
U-value		5,3 W/(m²K)	5,3 W/(m²K)
Radiation properties			
Light transmission	3	0,82	0,82
Light reflection		0,07 / 0,07	0,07 / 0,07
Solar energy characteristics			
Solar transmission	3	0,54	0,53
Solar reflection		0,06	0,06
Solar factor (g-Value)		0,64	0,63
Durability	3	Pass	Pass

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, 02/01/2017

Kai Olbricht

ppa. Christian Jabschinsky



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Essential characteristics	AVCP systems	Declared performance/s	
			30 Type P6B / 4.10.13
Safety in the case of fire			
Resistance to fire	1		EI30
Reaction to fire	3, 4		E
External fire behaviour	3, 4		NPD
Safety in use			
Bullet resistance	1		NPD
Explosion resistance	1		NPD
Burglar resistance	3		P6B
Pendulum body impact resistance	3		NPD
Resistance against sudden temperature changes and temperature differentials	4		40 K
Resistance against wind, snow, permanent load and/or imposed loads	4		NPD
Protection against noise			
Direct airborne sound reduction	3		NPD
Thermal properties			
Emissivity	3		NPD
U-value			5,2 W/(m²K)
Radiation properties			
Light transmission	3		0,82
Light reflection			0,07 / 0,07
Solar energy characteristics			
Solar transmission	3		0,52
Solar reflection			0,06
Solar factor (g-Value)			0,62
Durability	3		Pass

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Essential characteristics	AVCP systems	Declared performance/s	
		60 Type ER1NS / 8.0.0	60 Type P5A / 5.10.3
Safety in the case of fire			
Resistance to fire	1	EI60	EI60
Reaction to fire	3, 4	E	E
External fire behaviour	3, 4	NPD	NPD
Safety in use			
Bullet resistance	1	NPD	NPD
Explosion resistance	1	ER1NS	NPD
Burglar resistance	3	NPD	P5A
Pendulum body impact resistance	3	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	4	40 K	40 K
Resistance against wind, snow, permanent load and/or imposed loads	4	NPD	NPD
Protection against noise			
Direct airborne sound reduction	3	NPD	NPD
Thermal properties			
Emissivity	3	NPD	NPD
U-value		5,2 W/(m²K)	5,1 W/(m²K)
Radiation properties			
Light transmission	3	0,82	0,79
Light reflection		0,08 / 0,08	0,07 / 0,07
Solar energy characteristics			
Solar transmission	3	0,56	0,48
Solar reflection		0,06	0,06
Solar factor (g-Value)		0,65	0,59
Durability	3	Pass	Pass

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Essential characteristics	AVCP systems	Declared performance/s	
		60 Type P6B / 12.0.2	60 Type P8B / 2.4.18
Safety in the case of fire			
Resistance to fire	1	EI60	EI60
Reaction to fire	3, 4	E	E
External fire behaviour	3, 4	NPD	NPD
Safety in use			
Bullet resistance	1	NPD	NPD
Explosion resistance	1	NPD	NPD
Burglar resistance	3	P6B	P8B
Pendulum body impact resistance	3	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	4	40 K	40 K
Resistance against wind, snow, permanent load and/or imposed loads	4	NPD	NPD
Protection against noise			
Direct airborne sound reduction	3	NPD	NPD
Thermal properties			
Emissivity	3	NPD	NPD
U-value		5,0 W/(m²K)	4,9 W/(m²K)
Radiation properties			
Light transmission	3	0,79	0,78
Light reflection		0,07 / 0,07	0,07 / 0,07
Solar energy characteristics			
Solar transmission	3	0,46	0,45
Solar reflection		0,06	0,06
Solar factor (g-Value)		0,58	0,57
Durability	3	Pass	Pass

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Essential characteristics	AVCP systems	Declared performance/s	
		IGU 30 Typ P4A / 5.4.2 ¹	
Safety in the case of fire			
Resistance to fire	1	EI30	
Reaction to fire	3, 4	E	
External fire behaviour	3, 4	NPD	
Safety in use			
Bullet resistance	1	NPD	
Explosion resistance	1	NPD	
Burglar resistance	3	P4A	
Pendulum body impact resistance	3	NPD	
Resistance against sudden temperature changes and temperature differentials	4	40 K	
Resistance against wind, snow, permanent load and/or imposed loads	4	NPD	
Protection against noise			
Direct airborne sound reduction	3	NPD	
Thermal properties			
Emissivity	3	NPD	
U-value		1,1 W/(m²K)	
Radiation properties			
Light transmission	3	0,73	
Light reflection		0,14 / 0,12	
Solar energy characteristics			
Solar transmission	3	0,42	
Solar reflection		0,26	
Solar factor (g-Value)		0,59	
Durability	3	Pass	

¹ Design: Outside - Float 4 mm lowE – Argon filled 15mm – PYRANOVA® secure 30 P4A / 5.4.2 - Inside

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Remark to the Declaration of Performance

For laminated glass and insulating glass units, this declaration of performance indicates some exemplary glass structures/designs but it is not possible to list all available glass structures/designs.

The declaration of performance and the characteristics of performance of non-listed glass structures/designs is available on request or with your order.

SCHOTT Technical Glass Solutions GmbH
E-Mail: info.pyran@schott.com

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