



Unique identification code of the product Type:	PYRAN® L Declaration of performance no. 1121 – CPR – CA5005b
Intended use:	Laminated and laminated safety glass 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
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 10.50.3 ¹	Type 11.52.3 ²
Safety in the case of fire			
Resistance to fire	1	E60 / EW20	E60 / EW20
Reaction to fire	3, 4	NPD	NPD
External fire behaviour	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	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		5,6 W/(m²K)	5,5 W/(m²K)
Radiation properties			
Light transmission	3	0,89	0,88
Light reflection		0,08 / 0,08	0,08 / 0,08
Solar energy characteristics			
Solar transmission	3	0,72	0,71
Solar reflection		0,07	0,07
Solar factor (g-Value)		0,77	0,76
Durability	3	Pass	Pass

¹ Fire resistance only from one direction: non-fire side – 5 mm PYRAN® S - 1,52 mm PVB – 4 mm Float – fire side

² Fire resistance only from one direction: non-fire side – 6 mm PYRAN® S - 1,52 mm PVB – 6 mm Float – fire side

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	
		Type 10.30.10 ³	Type 10.51.10 ⁴
Safety in the case of fire			
Resistance to fire	1	E30 / EW20	E30 / EW20
Reaction to fire	3, 4	NPD	NPD
External fire behaviour	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	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		5,6 W/(m²K)	5,6 W/(m²K)
Radiation properties			
Light transmission	3	NPD	NPD
Light reflection		NPD	NPD
Solar energy characteristics			
Solar transmission	3	NPD	NPD
Solar reflection		NPD	NPD
Solar factor (g-Value)		NPD	NPD
Durability	3	Pass	Pass

³ 5 mm PYRAN® S – 1,0 mm resin – 0,7 mm SCHOTT® AF37 glass

⁴ 5 mm PYRAN® S – 1,0 mm resin – 6 mm Float

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Essential characteristics	AVCP systems	Declared performance/s	
		Type 1.30.10 ⁵	Type 1.51.10 ⁶
Safety in the case of fire			
Resistance to fire	1	E30 / EW20	E30 / EW20
Reaction to fire	3, 4	NPD	NPD
External fire behaviour	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	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		5,6 W/(m²K)	5,6 W/(m²K)
Radiation properties			
Light transmission	3	NPD	NPD
Light reflection		NPD	NPD
Solar energy characteristics			
Solar transmission	3	NPD	NPD
Solar reflection		NPD	NPD
Solar factor (g-Value)		NPD	NPD
Durability	3	Pass	Pass

⁵ 5 mm PYRAN® white – 1,0 mm resin – 0,7 mm SCHOTT® AF37 glass

⁶ 5 mm PYRAN® white – 1,0 mm resin – 5 mm Float

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Essential characteristics	AVCP systems	Declared performance/s	
		Type 1.51.2 ⁷	
Safety in the case of fire			
Resistance to fire	1	E30 / EW20	
Reaction to fire	3, 4	NPD	
External fire behaviour	3, 4	NPD	
Safety in use			
Bullet resistance	1	NPD	
Explosion resistance	1	NPD	
Burglar resistance	3	NPD	
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		5,6 W/(m²K)	
Radiation properties			
Light transmission	3	NPD	
Light reflection		NPD	
Solar energy characteristics			
Solar transmission	3	NPD	
Solar reflection		NPD	
Solar factor (g-Value)		NPD	
Durability	3	Pass	

⁷ Fire resistance only from one direction: non-fire side – 5 mm PYRAN® white – 0,76 mm PVB – 5 mm Float – fire side

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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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