

# **Pyrobel-T**

## **Declaration of performances**



**UKCA Marking of Pyrobel-T – EN 14449:2005 + AC:2005**  
**Certificate N° 1121-CPR-UK-CA7003**  
**NB 1121**  
**Declaration of performances – Pyrobel-T**



We


**AGC Glass Europe**  
**Building Division**

Avenue Jean Monnet 4 - B 1348 Louvain-la-Neuve  
 Tel.: + 32 - (0) 2 409.30.00 - Fax: + 32 - (0) 2 672.44.62

Declare, under his sole responsibility, the following characteristics for the CE Marking of the glass products named **Pyrobel**, intended to be used in buildings and construction works, following **EN 14449:2005**

	<b>Pyrobel characteristics in :</b>	<b>AVCP Systems</b>	<b>Pyrobel-T EW30-16</b>	<b>Pyrobel-T EW60-16</b>	<b>Pyrobel-T EW90-16</b>	<b>Pyrobel-T EW120-16</b>
1.	Resistance to fire (EN 13501-2)	1	EW30	EW60	EW120	EW120
2.	Reaction to fire (EN 13501-1)	3, 4	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0
3.	External fire performances	3, 4	NPD	NPD	NPD	NPD
4.	Bullet resistance (EN 1063)	1	NPD	NPD	NPD	NPD
5.	Explosion resistance (EN 13541)	1	NPD	NPD	NPD	NPD
6.	Burglar resistance (EN 356)	3	NPD	NPD	NPD	NPD
7.	Pendulum body impact resistance (EN 12600)	3	1B1	1B1	1B1	1B1
8.	Resistance against sudden temperature change and temperature differentials	4	NPD	NPD	NPD	NPD
9.	Wind, snow, permanent and imposed load resistance	4	NPD	NPD	NPD	NPD
10.	Direct airborne sound reduction (EN 12758): $R_w$ (C, Ctr)	3	37 (-1; -2)	37 (-1; -2)	37 (-1; -2)	37 (-1; -2)
11.	- U-value (EN 673) - Normal emissivity $\epsilon_n$ coated side (EN 12898)	3	5,4 NPD	5,4 NPD	5,4 NPD	5,4 NPD
12.	Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	3	87 / 8 / 8	87 / 8 / 8	87 / 8 / 8	87 / 8 / 8
13.	- Solar transmission/reflection/factor (EN 410): $\tau_e / \rho_e / \rho'_e$ - Solar factor: g	3	68 / 7 / 7 70	68 / 7 / 7 70	68 / 7 / 7 70	68 / 7 / 7 70
14.	Durability	3	-	-	-	-

Louvain La Neuve  
 24th of March 2022

  
 E. Ceriani  
 Vice President Primary Glass  
 Building & Industrial division



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	<b>Pyrobel characteristics in :</b>	<b>AVCP Systems</b>	<b>Pyrobel-T EW30-20</b>	<b>Pyrobel-T EW60-20</b>	<b>Pyrobel-T EW90-20</b>	<b>Pyrobel-T EW120-20</b>
1.	Resistance to fire (EN 13501-2)	1	EW30	EW60	EW120	EW120
2.	Reaction to fire (EN 13501-1)	3, 4	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0
3.	External fire performances	3, 4	NPD	NPD	NPD	NPD
4.	Bullet resistance (EN 1063)	1	NPD	NPD	NPD	NPD
5.	Explosion resistance (EN 13541)	1	NPD	NPD	NPD	NPD
6.	Burglar resistance (EN 356)	3	NPD	NPD	NPD	NPD
7.	Pendulum body impact resistance (EN 12600)	3	1B1	1B1	1B1	1B1
8.	Resistance against sudden temperature change and temperature differentials	4	NPD	NPD	NPD	NPD
9.	Wind, snow, permanent and imposed load resistance	4	NPD	NPD	NPD	NPD
10.	Direct airborne sound reduction (EN 12758): $R_w$ (C, Ctr)	3	37 (-1; -3)	37 (-1; -3)	37 (-1; -3)	37 (-1; -3)
11.	- U-value (EN 673) - Normal emissivity $\epsilon_n$ coated side (EN 12898)	3	5,3 NPD	5,3 NPD	5,3 NPD	5,3 NPD
12.	Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	3	86 / 8 / 8	86 / 8 / 8	86 / 8 / 8	86 / 8 / 8
13.	- Solar transmission/reflection/factor (EN 410): $\tau_e / \rho_e / \rho'_e$ - Solar factor: g	3	65 / 6 / 6 72	65 / 6 / 6 72	65 / 6 / 6 72	65 / 6 / 6 72
14.	Durability	3	-	-	-	-

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	<b>Pyrobel characteristics in :</b>	<b>AVCP Systems</b>	<b>Pyrobel-T EI 30-18</b>	<b>Pyrobel-T EI 30-22</b>	<b>Pyrobel-T EI 60-28</b>	<b>Pyrobel-T EI 60-34</b>
1.	Resistance to fire (EN 13501-2)	1	EI30	EI30	EI60	EI60
2.	Reaction to fire (EN 13501-1)	3, 4	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0	A2 – s1,d0
3.	External fire performances	3, 4	NPD	NPD	NPD	NPD
4.	Bullet resistance (EN 1063)	1	NPD	NPD	NPD	NPD
5.	Explosion resistance (EN 13541)	1	NPD	NPD	NPD	NPD
6.	Burglar resistance (EN 356)	3	NPD	NPD	NPD	NPD
7.	Pendulum body impact resistance (EN 12600)	3	1B1	1B1	1B1	1B1
8.	Resistance against sudden temperature change and temperature differentials	4	NPD	NPD	NPD	NPD
9.	Wind, snow, permanent and imposed load resistance	4	NPD	NPD	NPD	NPD
10.	Direct airborne sound reduction (EN 12758): $R_w$ (C, Ctr)	3	39 (-1; -2)	39 (-1; -2)	37 (-1; -3)	37 (-1; -3)
11.	- U-value (EN 673) - Normal emissivity $\epsilon_n$ coated side (EN 12898)	3	5,3 NPD	5,1 NPD	5,3 NPD	5,3 NPD
12.	Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	3	87 / 9 / 9	86 / 9 / 9	84 / 9 / 9	80 / 7 / 7
13.	- Solar transmission/reflection/factor (EN 410): $\tau_e / \rho_e / \rho'_e$ - Solar factor: g	3	66 / 8 / 8 72	63 / 8 / 8 74	59 / 7 / 7 67	56 / 7 / 7 69
14.	Durability	3	-	-	-	-

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	<b>Pyrobel characteristics in :</b>	<b>AVCP Systems</b>	<b>Pyrobel-T EI 60-35H</b>	<b>Pyrobel-T EI 90-35H</b>
1.	Resistance to fire (EN 13501-2)	1	REI60	REI90
2.	Reaction to fire (EN 13501-1)	3, 4	NPD	NPD
3.	External fire performances	3, 4	NPD	NPD
4.	Bullet resistance (EN 1063)	1	NPD	NPD
5.	Explosion resistance (EN 13541)	1	NPD	NPD
6.	Burglar resistance (EN 356)	3	NPD	NPD
7.	Pendulum body impact resistance (EN 12600)	3	1B1	1B1
8.	Resistance against sudden temperature change and temperature differentials	4	NPD	NPD
9.	Wind, snow, permanent and imposed load resistance	4	NPD	NPD
10.	Direct airborne sound reduction (EN 12758): $R_w$ (C, Ctr)	3	NPD	NPD
11.	- U-value (EN 673) - Normal emissivity $\epsilon_n$ coated side (EN 12898)	3	NPD NPD	NPD NPD
12.	Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	3	NPD	NPD
13.	- Solar transmission/reflection/factor (EN 410): $\tau_e / \rho_e / \rho'_e$ - Solar factor: g	3	NPD NPD	NPD NPD
14.	Durability	3	-	-

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