



CE Marking of Pyrobel – EN 14449
Declaration of conformity
Pyrobelite



We

AGC Flat Glass Europe
Division Processed Glass Products
 Chaussée de la Hulpe 166 - B 1170 Brussels
 Tel.: + 32 - (0) 2 674.31.11 - Fax: + 32 - (0) 2 674.44.62

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

Pyrobelite characteristics in :	Pyrobelite 7	Pyrobelite 7 EG	Pyrobelite 11
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EW30	EW30	EW30
2. Reaction to fire (EN 13501-1)	A2 – s1, d0	NPD	NPD
3. External fire performances	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	3B3	1B1	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	34 (0; -3)	35 (-1; -2)	35 (-1; -2)
11. Thermal properties:			
- U-value (EN 673)	5,7	5,5	5,5
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	89 / 8 / 8	87 / 8 / 8	87 / 8 / 8
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	73 / 7 / 7	65 / 7 / 7	65 / 7 / 7

Brussels
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Pyrobelite characteristics in :	Pyrobelite 12	Pyrobelite 12 EG	Pyrobelite 13
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI20 / EW60	EI20 / EW60	EW30
2. Reaction to fire (EN 13501-1)	A2 – s1, d0	NPD	A2 – s1, d0
3. External fire performances	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	2B2	1B1	2B2
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	36 (-1; -3)	38 (-1; -3)	34 (0; -3)
11. Thermal properties:			
- U-value (EN 673)	5,6	5,4	5,5
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	86 / 8 / 8	85 / 8 / 8	86 / 8 / 8
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	65 / 7 / 7	58 / 6 / 6	65 / 6 / 6

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Pyrobel characteristics in :	Pyrobel 8	Pyrobel 8 EG	Pyrobel 16	Pyrobel 16 EG
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI15 / EW30	EI15 / EW30	EI30 / EW60	EI30 / EW60
2. Reaction to fire (EN 13501-1)	A2 – s1, d0	NPD	A2 – s1, d0	NPD
3. External fire performances	NPD	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	NPD	1B1	2B2	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	34 (-1; -3)	36 (-1; -3)	39 (-1; -3)	39 (-1; -3)
11. Thermal properties:				
- U-value (EN 673)	5,6	5,4	5,4	5,2
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	88 / 8 / 8	86 / 8 / 8	84 / 8 / 8	83 / 7 / 7
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	70 / 7 / 7	62 / 6 / 6	60 / 6 / 6	54 / 6 / 6

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Pyrobel characteristics in :	Pyrobel 17	Pyrobel 17 EG	Pyrobel 17N	Pyrobel 17N EG
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI45	EI45	EI45 / EW60	EW60
2. Reaction to fire (EN 13501-1)	A2 – s1, d0	NPD	A2 – s1, d0	NPD
3. External fire performances	NPD	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	2B2	1B1	1B1	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	37 (-1; -3)	38 (0; -3)	39 (0; -3)	40 (-1; -3)
11. Thermal properties:				
- U-value (EN 673)	5,4	5,2	5,4	5,2
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	84 / 8 / 8	84 / 8 / 8	86 / 8 / 8	85 / 8 / 8
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	61 / 6 / 6	56 / 6 / 6	67 / 7 / 7	60 / 7 / 7

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Pyrobel characteristics in :	Pyrobel 21	Pyrobel 21 EG	Pyrobel 25	Pyrobel 25 EG
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI45 / EW60	EI45 / EW60	EI60	EI60
2. Reaction to fire (EN 13501-1)	A2 – s1, d0	NPD	A2 – s1, d0	NPD
3. External fire performances	NPD	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	1B1	1B1	1B1	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	38 (0; -3)	40 (-1; -3)	40 (-1; -3)	43 (-1; -4)
11. Thermal properties:				
- U-value (EN 673)	5,3	5,1	5,2	5,0
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	82 / 7 / 7	81 / 7 / 7	81 / 7 / 7	80 / 7 / 7
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	59 / 6 / 6	54 / 6 / 6	53 / 6 / 6	48 / 6 / 6

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Pyrobel characteristics in :	Pyrobel 35	Pyrobel 35 EG	Pyrobel 53	Pyrobel 53 EG
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI90	EI90	EI120	EI120
2. Reaction to fire (EN 13501-1)	NPD	NPD	NPD	NPD
3. External fire performances	NPD	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	1B1	1B1	1B1	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	41 (-1; -4)	42 (-1; -4)	45 (-1; -4)	46 (-2; -5)
11. Thermal properties:				
- U-value (EN 673)	4,9	4,8	4,5	4,3
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	79 / 7 / 7	77 / 7 / 7	72 / 7 / 7	71 / 7 / 7
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	49 / 6 / 6	46 / 6 / 6	40 / 5 / 5	38 / 5 / 5

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Pyrobel characteristics in :	Pyrobel 19	Pyrobel 23	Pyrobel 28
Certificate Number:	1121 – CPD – CA0004	1121 – CPD – CA0004	1121 – CPD – CA0004
Notified Body :	1121	1121	1121
1. Resistance to fire (EN 13501-2)	EI30	EI45	EI60
2. Reaction to fire (EN 13501-1)	NPD	NPD	NPD
3. External fire performances	NPD	NPD	NPD
4. Bullet resistance (EN 1063)	NPD	NPD	NPD
5. Explosion resistance (EN 13541)	NPD	NPD	NPD
6. Burglar resistance (EN 356)	NPD	NPD	NPD
7. Pendulum body impact resistance (EN 12600)	1B1	1B1	1B1
8. Resistance against sudden temperature change and temperature differentials	NPD	NPD	NPD
9. Wind, snow, permanent and imposed load resistance	NPD	NPD	NPD
10. Direct airborne sound reduction (EN 12758): R_w (C, Ctr)	38 (-1; -3)	39 (0; -3)	41 (0;-3)
11. Thermal properties:			
- U-value (EN 673)	5,2	5,0	4,9
- Normal emissivity ϵ_n (EN 12898)	NPD	NPD	NPD
12. Light transmission/reflection (EN 410): $\tau_v / \rho_v / \rho'_v$	81 / 7 / 7	80 / 7 / 7	78 / 7 / 7
13. Solar energy transmission/reflection (EN 410): $\tau_e / \rho_e / \rho'_e$	53 / 6 / 6	49 / 6 / 6	47 / 6 / 6

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