AGC	**CE Marking of Pyrobel – EN 14449** **Declaration of conformity** **Pyrobelite**	CE

We

AGC Flat Glass Europe
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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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	34 (0; -3)	35 (-1; -2)	35 (-1; -2)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,7 NPD	 5,5 NPD	 5,5 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	89 / 8 / 8	87 / 8 / 8	87 / 8 / 8
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_e	73 / 7 / 7	65 / 7 / 7	65 / 7 / 7

Brussels
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Vice-President, Processed Glass Division

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Pyrobelite characteristics in :	**Pyrobelite 12**	**Pyrobelite 12 EG**	**Pyrobelite 13**
Certificate Number: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	36 (-1; -3)	38 (-1; -3)	34 (0; -3)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,6 NPD	 5,4 NPD	 5,5 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	86 / 8 / 8	85 / 8 / 8	86 / 8 / 8
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	34 (-1; -3)	36 (-1; -3)	39 (-1; -3)	39 (-1; -3)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,6 NPD	 5,4 NPD	 5,4 NPD	 5,2 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	88 / 8 / 8	86 / 8 / 8	84 / 8 / 8	83 / 7 / 7
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	37 (-1; -3)	38 (0; -3)	39 (0; -3)	40 (-1; -3)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,4 NPD	 5,2 NPD	 5,4 NPD	 5,2 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	84 / 8 / 8	84 / 8 / 8	86 / 8 / 8	85 / 8 / 8
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	38 (0; -3)	40 (-1; -3)	40 (-1; -3)	43 (-1; -4)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,3 NPD	 5,1 NPD	 5,2 NPD	 5,0 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	82 / 7 / 7	81 / 7 / 7	81 / 7 / 7	80 / 7 / 7
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	41 (-1; -4)	42 (-1; -4)	45 (-1; -4)	46 (-2; -5)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 4,9 NPD	 4,8 NPD	 4,5 NPD	 4,3 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	79 / 7 / 7	77 / 7 / 7	72 / 7 / 7	71 / 7 / 7
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_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: **Notified Body :**	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 1121	1121 – CPD – CA0004 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): Rw (C, Ctr)	38 (-1; -3)	39 (0; -3)	41 (0;-3)
11. Thermal properties: - U-value (EN 673) - Normal emissivity ε_n (EN 12898)	 5,2 NPD	 5,0 NPD	 4,9 NPD
12. Light transmission/reflection (EN 410): τ_v / ρ_v / ρ'_v	81 / 7 / 7	80 / 7 / 7	78 / 7 / 7
13. Solar energy transmission/reflection (EN 410): τ_e / ρ_e / ρ'_e	53 / 6 / 6	49 / 6 / 6	47 / 6 / 6

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