

# Declaration of Performance



DOP # 96

03/09/2025



Marking of Pyroguard

T-EW90/13-1 VF

Pyroguard UK Ltd., Millfield Lane, Haydock, Merseyside. WA11 9GA.  
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We declare under sole responsibility, the following characteristics for the CE Marking marking of this glass product, intended to be used in building and construction works, following product standard stated below :

|    | Manufacturing Site                                                             | Seingbouse, FR; Haydock, UK    |                      |
|----|--------------------------------------------------------------------------------|--------------------------------|----------------------|
|    | Notified Body (CE)                                                             | Efectis, FR 1812               |                      |
|    | Product Standard                                                               | EN14449 Laminated Safety glass |                      |
|    | Characteristics                                                                | AVCP System(s)                 | Declared Performance |
| 1  | Resistance to fire (EN 13501-2)                                                | 1                              | EW90/EI20            |
| 2  | Reaction to fire (EN 13501-1)                                                  | 3, 4                           | NPD                  |
| 3  | External fire performances (EN13501-5)                                         | 3, 4                           | NPD                  |
| 4  | Bullet resistance (EN 1063)                                                    | 1                              | NPD                  |
| 5  | Explosion resistance (EN 13541)                                                | 1                              | NPD                  |
| 6  | Burglar resistance (EN 356)                                                    | 3                              | NPD                  |
| 7  | Pendulum body impact resistance (EN 12600)                                     | 3                              | 1B1                  |
| 8  | Resistance against sudden temperature change and temperature differentials (K) | 4                              | NPD                  |
| 9  | Wind, snow, permanent and imposed load resistance (mm)                         | 4                              | NPD                  |
| 10 | Direct air borne sound reduction (EN 12758): Rw (C;Ctr)                        | 3                              | NPD                  |
| 11 | Heat transfer coefficient (EN 673) : Ug                                        | 3                              | 5.2                  |
| 12 | Normal emissivity $\epsilon_n$ coated side (EN 12898)                          | 3                              | NPD                  |
| 13 | Light transmission (EN 410): Tv                                                | 3                              | 87                   |
| 14 | Light reflection outside (EN 410) : $\rho_v$                                   | 3                              | 0.08                 |
| 15 | Light reflection inside (EN 410) : $\rho'_v$                                   | 3                              | 0.08                 |
| 16 | Total energy transmission factor (EN 410) : g                                  | 3                              | 0.7                  |
| 17 | Direct radiation transmission factor (EN 410): $T_e$                           | 3                              | 0.63                 |
| 18 | Direct radiation reflection factor outside (EN 410) : $\rho_e$                 | 3                              | 0.07                 |
| 19 | Direct radiation reflection factor inside (EN410) : $\rho'_e$                  | 3                              | 0.07                 |
| 20 | Ultraviolet transmittance (EN 410) : Tuv                                       | 3                              | 0                    |
| 21 | General colour rendering index (CRI) : Ra                                      | 3                              | NPD                  |
| 22 | Durability (EN ISO 12543-4)                                                    | 3, 4                           | YES                  |

The performance of the product identified above is in conformity with the set of declared performances. 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:

Dr Vincent Crook (Director of Technical Development, Pyroguard UK Ltd)

|           | Author                 | Validation                        |
|-----------|------------------------|-----------------------------------|
| Name      | Mr Chris Barr          | Dr Vincent Crook                  |
| Function  | Snr Fire Test Engineer | Director of Technical Development |
| Date      | 03/09/2025             | 03/09/2025                        |
| Signature | ChBa                   | ViCr                              |