

# Declaration of Performance



DOP # 109

09/12/2024



Marking of Pyroguard

T-EI60/29-3 TVI

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)                                                             | Efectedis, FR 1812                                                    |                      |
|    | Product Standard                                                               | EN1279-5+A2 Insulating glass units.<br>EN14449 Laminated Safety glass |                      |
|    | Characteristics                                                                | AVCP System(s)                                                        | Declared Performance |
| 1  | Resistance to fire (EN 13501-2)                                                | 1                                                                     | EI60                 |
| 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                                                                     | P1A                  |
| 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                                                                     | 46 (-2;-8)           |
| 11 | Heat transfer coefficient (EN 673) : Ug                                        | 3                                                                     | 0.6                  |
| 12 | Normal emissivity $\epsilon_n$ coated side (EN 12898)                          | 3                                                                     | NPD                  |
| 13 | Light transmission (EN 410): Tv                                                | 3                                                                     | 53                   |
| 14 | Light reflection outside (EN 410) : $\rho_v$                                   | 3                                                                     | 0.26                 |
| 15 | Light reflection inside (EN 410) : $\rho'_v$                                   | 3                                                                     | 0.24                 |
| 16 | Total energy transmission factor (EN 410) : g                                  | 3                                                                     | 0.36                 |
| 17 | Direct radiation transmission factor (EN 410): $T_e$                           | 3                                                                     | 0.27                 |
| 18 | Direct radiation reflection factor outside (EN 410) : $\rho_e$                 | 3                                                                     | 0.43                 |
| 19 | Direct radiation reflection factor inside (EN410) : $\rho'_e$                  | 3                                                                     | 0.21                 |
| 20 | Ultraviolet transmittance (EN 410) : Tuv                                       | 3                                                                     | 0.12                 |
| 21 | General colour rendering index (CRI) : Ra                                      | 3                                                                     | 88                   |
| 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 in Seingbouse, France by:

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

|           | Author                      | Validation                        |
|-----------|-----------------------------|-----------------------------------|
| Name      | Miss Sophie Hill            | Dr Vincent Crook                  |
| Function  | Technical Support Assistant | Director of Technical Development |
| Date      | 09/12/2024                  | 09/12/2024                        |
| Signature | SoHi                        | ViCr                              |