

## CE Marking of Pyroguard T EI60/40-2 SWS

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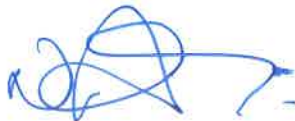
We declare under his sole responsibility, the following characteristics for the CE Marking of the glass products named Pyroguard T EI60/40-2 SWS, intended to be used in building and construction works, following product standard stated below :

| Manufacturing Site |   | Seinghouse, FR & Haydock, UK |                      |
|--------------------|---|------------------------------|----------------------|
| Notified Body      |   | 1812 & 0336                  |                      |
| Product Standard   |   | EN14449:2005 + AC:2005       |                      |
| Characteristics    |   | AVCP System(s)               | Declared Performance |
| 1.                 | Resistance to fire (EN 13501-2)   | 1                            | EI 60                |
| 2.                 | Reaction to fire (EN 13501-1)*  | 3, 4                         | E                    |
| 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                            | 40                   |
| 10.                | Direct air borne sound reduction (EN 12758): $R_w$ (C;Ctr)                                  | 3                            | 44 (-2; -3)          |
| 11.                | Thermal properties -U-value (EN 673)  | 3                            | 4.1                  |
| 12.                | Thermal properties -Normal emissivity $\epsilon_n$ coated side (EN 12898)                   | 3                            | NPD                  |
| 13.                | Radiation properties -Light transmission / reflection (EN 410): $\tau_v / \rho_e / \rho'_e$ | 3                            | 0.76                 |
| 14.                | Radiation properties -Solar transmission / reflection (EN 410): $\tau_e / \rho_e / \rho'_e$ | 3                            | 0.14                 |
| 15.                | Solar Properties -Transmittance, g-value (EN410)  | 3                            | 0.58                 |
| 16.                | Solar Properties -Reflectance, g-value (EN410)  | 3                            | 0.10                 |
| 17.                | Durability (EN12543)  | 3, 4                         | Yes                  |

\*Regarding performance of reaction to fire, the classification is valid only with the compliance of conditions follows: maximum thickness of spacer 28 mm (VI glass); spacer material: aluminium or steel (VI glass); PVB  $\neq$  / < 0.76 mm (2 x 0.38 mm) (VF glass)

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:



Neil Tilsley (CEO, Pyroguard UK Ltd)

|           | Preparation   | Validation   |
|-----------|---|--|
| Nom       | Mike Rooney   | Vince Crook  |
| Fonction  | Technical Support Engineer  | Director of Technical Development  |
| Date      | 01-10-18  | 1/10/2018  |
| Signature |  |  |



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Update Tracking

| Version | Date      | Reason for Update |
|---------|-----------|-------------------|
| V1      | 01/8/2018 | First version     |

|                  |                            |                                   |
|------------------|----------------------------|-----------------------------------|
|                  | <b>Preparation</b>         | <b>Validation</b>                 |
| <b>Nom</b>       | Mike Rooney                | Vince Crook                       |
| <b>Fonction</b>  | Technical Support Engineer | Director of Technical Development |
| <b>Date</b>      | 01-10-18                   | 1/10/2018                         |
| <b>Signature</b> |                            |                                   |