



1. EFFECTOR S.A.  
ul. Hauke-Bosaka 2  
25-214 Kielce POLSKA

CE

Unique identification code of the product-type:

**FL04\ZH\P\CT16B\A\LS04T\ZH\P**  
**(FLOAT 4 MM ZAT HART\RTERM 16MM BIALA\ARGON\ESG PLANITHERM XN 4 ZAT**  
**HART)**

| Declared performance/s:                                                                                                | Standard   | AVCP Systems | Unit of meas. | Symbol          | Value     |
|------------------------------------------------------------------------------------------------------------------------|------------|--------------|---------------|-----------------|-----------|
| Safety in the case of fire – Fire resistance                                                                           | EN-13501-2 | 1            | -             |                 | NPD       |
| Safety in the case of fire – Reaction to fire                                                                          | EN-13501-1 | 3,4          | -             |                 | NPD       |
| Safety in the case of fire – Impact of external fire                                                                   | -          | 3,4          |               |                 | NPD       |
| Safety of use – Resistance to bullets: behavior in the case of breakdown and resistance to attack                      | EN 1063    | 1            | -             |                 | NPD       |
| Safety of use – Resistance to explosion: behavior in the case of breakdown and resistance to attack                    | EN 13541   | 1            | -             |                 | NPD       |
| Safety of use – Burglary resistance: behavior in the case of breakdown and resistance to attack                        | EN 356     | 3            | -             |                 | NPD-NPD   |
| Safety of use – Resistance to pendulum impact: behavior in the case of breakdown (safe cracking) and impact resistance | EN 12600   | 3            | -             |                 | 1C1-1C1   |
| Safety of use – Mechanical resistance: Resistance to sudden temperature changes and temperature differences            | EN 572     | 4            | °K            |                 | 200-200   |
| Safety of use - Mechanical resistance: Glass resistance to wind, snow pressure, permanent and/or applied load          | -          | 4            | MPa           |                 | 120-120   |
| Noise protection: Direct airborne sound insulation 3-examination; 4-estimation; 5-extension EN 12758                   | -          | 4            | dB            | Rw(C;Ctr)       | 30(-1;-4) |
| Energy saving and heat retention – Thermal properties                                                                  | EN 673     | 3            | W/(m2·K)      | Ug              | 1,1       |
| Energy saving and heat retention – Radiometric properties: Light transmittance factor                                  | EN 410     | 3            | %             | LT,tv           | 82        |
| Energy saving and heat retention - Radiometric properties: External / internal light reflection factors                | EN 410     | 3            | %             | LR, pv/LR', p'v | 12/12     |
| Energy saving and heat retention - Radiometric properties: Direct solar energy transmittance factor                    | EN 410     | 3            | %             | TE, te, ET      | 59        |
| Energy saving and heat retention - Radiometric properties: Direct solar energy reflection factor                       | EN 410     | 3            | %             | ERe, pe, ER     | 27        |
| Energy saving and heat retention - Radiometric properties: Total solar energy transmittance factor                     | EN 410     | 3            | %             | g               | 65        |

Signed for and on behalf of the  
manufacturer by: *Pawel Obara* at Kielce on 30/12/2024  
*Pawel Obara*

DESCRIPTION: ESG-toughened glass; TVG-semi-toughened glass; Ar-Argon; Kr-Krypton; Emalit-enameled glass; Sitodruk-silk-screen printing; SI-acoustic foil.