



effect glass S.A.
 ul. Hauke Bosaka 2
 25-214 Kielce
 Poland

effect glass S.A.
 Wędkowy Branch
 83-115 Swarzędz
 Poland

according to requirements of the standard:

PN-EN 1279-5+A2:2011 Schedule ZA

name / intended use of the product:

insulated glass unit / for use in construction industry and construction works

identification of the product:

ESG4/12/33.1LE+A

| Characteristics: | | Value: | Standard |
|---|------------------------|---------|------------|
| Fire resistance | | NPD | EN-13501-2 |
| Reaction to fire | | NPD | EN-13501-1 |
| Behavior of external fire | | NPD | |
| Bullet resistance | | NPD | EN 1063 |
| Explosion resistance | | NPD | EN 13541 |
| Resistance against manual attack | | NPD | EN 356 |
| Pendulum body impact resistance | | 1C1/2B2 | EN 12600 |
| Resistance against sudden temperature changes and temperature differentials | [°K] | 200/40 | EN 572 |
| Wind, snow, permanent and imposed load resistance | [mm] | 4/4 | |
| Airborne sound insulation | $R_w(C;C_{tr})$ [dB] | NPD | EN 12758 |
| Light transmittance factor | τ_v [%] | 81 | EN 410 |
| Light reflectance factor | ρ_v / ρ'_v [%] | 12/13 | EN 410 |
| Solar direct transmittance factor | τ_c [%] | 56 | EN 410 |
| Solar direct reflectance factor | ρ_e / ρ'_e [%] | 27/23 | EN 410 |
| Total solar energy transmittance factor | g [%] | 65 | EN 410 |
| Thermal transmittance factor | U [W/m ² K] | 1,3 | EN 673 |

NPD - No performance determined

Effect Glass S.A. declares, under its sole responsibility, that the construction product is in conformity with the above performance characteristics.

Technical Director

W. Bratek

Waldemar Bratek

Kielce, 2016-01-08

Notified Body taking part in conformity assessment of the product:

Institute of Ceramics and Building Materials in Warsaw. Glass and Building Materials Division in Cracow. Glass Technology Unit. 30-702 Cracow ul. Lipcowa 3 - Initial Type Testing

Institute of Ceramics and Building Materials in Warsaw. Ceramics and Glass Section. 02-676 Warsaw ul. Postępu 9 - Factory Production Control Certificate, Conformity Certificate acc. To. PN-EN 1279-5

Schedule no. 1 to the Declaration of Performance:

Copy of particulars accompanying CE marking