

## DECLARATION OF PERFORMANCE No. 1177



Year of issue

07



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

effect glass S.A.  
Wędkowy Branch  
83-115 Swarżyn  
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:

**44.4/16/4GLE+A (SSP W)**

| 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  |                        | P4A/NPD | EN 356           |
| Pendulum body impact resistance   |                        | 1B1/NPD | EN 12600         |
| Resistance against sudden temperature changes and temperature differentials | [°K]                   | 40/40   | EN 572           |
| Wind, snow, permanent and imposed load resistance                           | [mm]                   | 6/4     |                  |
| Airborne sound insulation   | $R_w(C;C_{tr})$ [dB]   | NPD     | EN 12758         |
| Light transmittance factor  | $\tau_v$ [%]           | 69      | EN 410           |
| Light reflectance factor  | $\rho_v / \rho'_v$ [%] | 20/23   | EN 410           |
| Solar direct transmittance factor   | $\tau_c$ [%]           | 40      | EN 410           |
| Solar direct reflectance factor   | $\rho_e / \rho'_e$ [%] | 28/40   | EN 410           |
| Total solar energy transmittance factor                                     | g [%]                  | 48      | EN 410           |
| Thermal transmittance factor  | U [ $W/m^2K$ ]         | 1,0     | EN 673<br>EN 674 |

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.

Kielce, 2014-04-30

Technical Director

**Notified Body taking part in conformity assessment of the product:**

Waldemar Bratek

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