MARCOPOL
marka która łączy

# DECLARATION of PERFORMANCE

## NR 02/GW5.0/E-30-20370-17/2017

CE

1. *Unique identification code of the product-type:*

   **Construction nails type GW**

   **Steel SAE1008 according to ASTM A510M – minimum tensile strength $R_m \geq 450$ N/mm²**

   **- nominal diameter d = 5,0 mm**

   **- lenght l =(100 ÷ 150) mm**

   **- head area $A_h$ = 78,50 (+/- 7,65) mm²**

2. *Intended use:*

   **GW Ø5,0 construction nails are intended for structural connections of load-bearing wooden elements.**

3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:*

   **Marcopol Sp. z o.o. Producent Śrub, street Oliwska 100, 80-209 Chwaszczyno**

4. *System or systems of assessment and verification of constancy of performance of the construction product:*

   **System "3" of assessment**

5. *Declaration of performance concerning by a harmonized standard:*

   **EN 14592:2008 + A1:2012 Tab. ZA.1,**

   *Name and identification number of the notified body:*

   **Strojirenský zkušebni ústav, s.p. Brno, Czech Republic, No. 1015**

6. *Declared performance:*

| Essential characteristic | Performance od product acc. E-30-20370-17 | | Harmonised specification |
|---|---|---|---|
| Characteristic yield moment $M_{y,k}$ [Nmm] | 18 869 | | EN 1995-1-1 |
| Characteristic withdrawal parameter $f_{ax,k}$ [N/mm2] – for characteristic density of wood 350 kg/m3 | Perpendicular to the grain | Paraller to the grain | EN 1995-1-1 |
| | 3,26 | 1,97 | |
| Characteristic head pull- through parameter $f_{head,k}$ [N/mm2] – for density of wood 350 kg/m3 | 26,89 | | EN 1995-1-1 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] | 11,77 | | EN 1383 |
| Class of reaction to fire | A1 | | EN 13501-1 |
| Zinc coating thickness: | min. 5 µm (service class 1) | | EN 1995-1-1 |

**7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point *6.***
**This declaration of performance is issued according to CPR 305/2011 under the sole responsibility of the manufacturer identified in point 4.**

**Signed by:**

Chwaszczyno, 15.09.2017

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju Produktów

Janusz Kabała