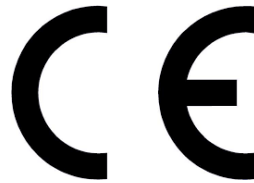


DECLARATION of PERFORMANCE

NR 02/GW4.2/E-30-20367-17/2017



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

Construction nails type GW

Steel SAE1008 according to ASTM A510M – minimum tensile strength $R_m \geq 450 \text{ N/mm}^2$

- nominal diameter $d = 4,2 \text{ mm}$

- length $l = (90 \div 125) \text{ mm}$

- head area $A_h = 55,38 (+/- 5,14) \text{ mm}^2$

2. *Intended use:*

GW Ø4,2 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 zkušební ústav, s.p. Brno, Czech Republic, No. 1015

6. *Declared performance:*

Essential characteristic	Performance of product acc. E-30-20367-17		Harmonised specification
Characteristic yield moment $M_{y,k}$ [Nmm]	11 799		EN 1995-1-1
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²] – for characteristic density of wood 350 kg/m ³	Perpendicular to the grain	Parallel to the grain	EN 1995-1-1
	2.97	2.16	
Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²] – for density of wood 350 kg/m ³	22.53		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	9.07		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.


Chwaszczyno, 15.09.2017

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju
Produktów


Janusz Kabała