

## DECLARATION OF PERFORMANCE

No 01/GW-KWA/14592/2025

1. Unique identification code of the product-type: **Construction nails type GW-KWA**
2. Intended use: **For structural timber products**
3. Manufacturer: **Marcopol Sp. z o.o. Producent Śrub, Oliwska street no 100, 80-209 Chwaszczyno**
4. System/s of AVCP: **System 3**
5. Harmonised standard: **EN 14592:2008 + A1:2012**,  
Notified body: **Strojirenský zkušební ústav, s.p. Brno, Czech Republic, no 1015**
6. Declared performances:

Essential Characteristics	Performance properties			
	3.8	4.0	4.5	5.0
Characteristics yield moment $M_{y,k}$ [Nmm]	<b>12 144</b>	<b>8 948</b>	<b>10 233</b>	<b>27 199</b>
Characteristics withdraw parameter $f_{ax,k}$ [N/mm <sup>2</sup> ] – timber density 350 kg/m <sup>3</sup> perpendicular/ parallel to the grain	<b>2.92/2.18</b>	<b>2.89/2.17</b>	<b>2.73/1.97</b>	<b>3.21/2.18</b>
Characteristics head pull- through $f_{head,k}$ [N/mm <sup>2</sup> ] – timber density 350 kg/m <sup>3</sup>	<b>25.59</b>	<b>28.74</b>	<b>28.19</b>	<b>20.19</b>
Characteristics tensile capacity $f_{tens,k}$ [kN]	<b>8.38</b>	<b>7.38</b>	<b>3.34</b>	<b>14.22</b>
Reaction to fire	<b>A1</b>			
Durability	<b>Zinc coat <math>\geq 5 \mu\text{m}</math> (utility class 1)</b>			

7. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Koordinator ds. Aprobát Technických

*Piotr Kosiński*  
Piotr Kosiński

.....  
at Chwaszczyno, on 19.08.2025