

**DECLARATION of PERFORMANCE**

**NR 02/SB/EN15048/2019**



1. *Unique identification code of the product-type:* **Non-preloaded structural bolts SB;**
2. *Intended use:* **For assembly non-preloaded steel structure;**
3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:*  
**Marcopol Sp. z o.o. Producent Śrub ul. Oliwska 100, 80-209 Chwaszczyno**  
*Production place:* **2-01-385**
4. *System or systems of assessment and verification of constancy of performance of the construction product:*  
**System of assessment 2+**
5. *Harmonized standard:* **EN 15048-1:2016** *Notified Body:* **Nr 1453 - Główny Instytut Górniczy**  
**Certificate of Conformity Factory Quality Control number: 1453-CPR-1/1**
6. *Declared performance:*

Essential characteristics	Performance	Technical specification
<b>Product grade</b>		
<i>Bolt</i>	<b>A, B, C</b>	EN ISO 4758
<i>Nut</i>	<b>A,B</b>	
<b>Mechanical property</b>		
<i>Bolt</i>	<b>8.8</b>	EN ISO 4014 EN ISO 4017
<i>Nut</i>	<b>8 lub 10</b>	EN ISO 4032
<b>Assembly sets strenght : bolt - nut</b>	<b>Tenslie resistance</b>	EN 15048-1
<i>M12</i>	<b>70 kN</b>	
<i>M14</i>	<b>95.5 kN</b>	
<i>M16</i>	<b>130 kN</b>	
<i>M18</i>	<b>159 kN</b>	
<i>M20</i>	<b>203 kN</b>	
<i>M22</i>	<b>252 kN</b>	
<i>M24</i>	<b>293 kN</b>	
<i>M27</i>	<b>381 kN</b>	
<i>M30</i>	<b>466 kN</b>	
<i>M33</i>	<b>576 kN</b>	
<i>M36</i>	<b>678 kN</b>	
<b>Durability</b>		
Hot-dip galvanized HDG	<b>≥ 50 μm</b>	EN 10684/ ISO 1461

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 EU Regulation number 305/2011) under the sole responsibility of the manufacturer identified in point 3.

Chwaszczyno, 02.12.2019.

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju  
Produktów



*Janusz Kabała*  
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