

DECLARATION of PERFORMANCE

NR 04/SB/EN15048/2024



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
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-1/4
6. *Declared performance:*

Essential characteristics	Performance	Technical specification
Product grade		
Bolt	A, B, C	EN ISO 4758
Nut	A,B	
Washer	A,C	
Mechanical property		
Bolt	8.8	EN ISO 4014 EN ISO 4017
Nut	8 lub 10	EN ISO 4032
Washer	200 HV	EN ISO 7089
Assembly sets strenght : bolt - nut	Tenslie resistance	
M12	70 kN	EN 15048-1
M14	95.5 kN	
M16	130 kN	
M18	159 kN	
M20	203 kN	
M22	252 kN	
M24	293 kN	
M27	381 kN	
M30	466 kN	
M33	576 kN	
M36	678 kN	
Durability		

Hot-dip galvanized HDG	$\geq 50 \mu\text{m}$	EN 10684/ ISO 1461
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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, 11.10.2024

Signed by:

Koordinator ds. Aprobata Technicznych

Piotr Kosiński
Piotr Kosiński