

DECLARATION OF PERFORMANCE

No BTR/2023/2

- | | | |
|----|---|---|
| 1. | Unique identification code of the product-type | BTR <h _p > |
| 2. | Intended use | For structural use in all types of construction works |
| 3. | Manufacturer | BALEX METAL Sp. z o.o.
ul. Wejherowska 12C, 84-239 Bolszewo |
| 4. | System of Assessment and Verification of Constancy of Performance | 2+ |
| 5. | Harmonised standard
Notified body | EN 1090-1:2009+A1:2011
Technický a skúšobný ústav stavebný, n.o. (No 1301) |
| 6. | Declared performances | Table 1 |
| 7. | Appropriate Technical Documentation or Specific Technical Documentation | Reference number of the appropriate technical documentation used: BTR/2023/2
Requirements to which the product conforms: p. 4.6 EN 1090-1:2009+A1:2011 |

Designations:

NPD - No Performance Determined

h_p - profile height of the structural steel trapezoidal sheeting

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:
Chief Executive Officer



Marek Dzikiewicz

Bolszewo, 12.12.2023


BALEXMETAL Sp. z o.o.
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Table 1. Performances

PRODUCTS		BTR50	BTR60	BTR85	BTR93	BTR135	BTR139	BTR150	BTR153	BTR160
Essential characteristics		Declared performances								
Tolerances on dimensions and shape	Deviation from flatness of a nominally flat component Δ	NPD								
	Tolerance on depth of profile [mm]	± 1				± 2				
	Tolerance on depth of stiffeners (crown) [mm]	+3 -1								
	Tolerance on depth of stiffeners (web) [mm]	+2 -0,3	+2 -0,6	+2 -0,9			+2 -1,28	+2 -1,3	+2 -0,9	
	Tolerance on the pitch [mm]	± 2	± 3				± 4			
	Tolerance on widths of crown and valley [mm]	+4 -1								
	Tolerance on cover width and limit value for contraction or bulging [mm]	± 5	± 6	± 8	± 9	± 13	$\pm 13,9$	± 15		
	Tolerance on radius of bends [mm]	± 2								
	Deviation from straightness	2,0 mm/m of sheet length not exceeding 10 mm								
	Deviation from squareness [mm]	$\pm 5,19$	$\pm 4,7$	$\pm 5,6$	$\pm 5,2$	$\pm 5,0$	$\pm 4,8$	$\pm 4,3$	$\pm 4,2$	$\pm 3,75$
	Tolerance on length (l)	+10 mm, - 5 mm (l \leq 3000 mm); +20 mm, - 5 mm (l > 3000 mm)								
	Deviation of side lap	± 2 mm on a length of 500 mm								
	Curve radius and angles	NPD								
Weldability		NPD								
Fracture toughness, impact resistance		NPD								
Reaction to fire		A1								
Release of cadmium and its compounds		NPD								
Emission of radioactivity		NPD								
Durability	Steel grade	S320GD								
	Thickness [mm]	0,75 \pm 1,25				0,70 \pm 1,50			0,75 \pm 1,50	
	Organic coatings (thickness)	SP 15 (15 μ m)								
Structural characteristics	Load bearing capacity	Design calculations acc. to ENV 1993-1-3:1996/AC:1997								
	Deformation at serviceability limit state	NPD								
	Fatigue strength	NPD								
	Resistance to fire	RE15* / RE30*								
	Execution	Execution class EXC1 and EXC2 acc. to EN 1090-4+A1								

* - valid under the conditions specified in the classification for fire resistance