



DECLARATION OF PERFORMANCE

No. BPO-BTS-BTD-BTU/2022/1

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1. **Unique identification code of the product-type:** Self-supporting trapezoidal steel sheets with or without anti-condensation membranes BPO, BTD10 , BTS10, BTD18, BTD18.138, BTS18, BTS18.138, BTU20, BTD35, BTS35, BTD45.333, BTD45.900, BTD50, BTD55, BTD60
2. **Intended use/es:** Components of roofing, external and internal lining
3. **Manufacturer:** BALEX METAL sp. z o.o., ul. Wejherowska 12C, 84-239 Bolszewo
4. **System for assessment and verification of functional properties stability:** 3
5. **Harmonised standard:** PN-EN 14782:2008
6. **Notified body/ies:** CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT (no. 0679), Exova Warringtonfire (no. 0833)
7. **Declared performance/s:** Table 1

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

Signed in the name of the manufacturer by:

Chief Executive Officer

Marek Dzikiewicz

Bolszewo, 1 March 2022



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Table 1: Performances

Essential characteristics		Performances	
Grade of facing material		S250GD, S280GD	
Thickness of facing material [mm]		0,5; 0,6; 0,7	
Coating type	Metallic	Z100, Z140, Z200, Z225, Z275, AZ100, AZ150, AZ185, ZA200, ZA255, ZM60; ZM100, ZM120	
	Organic	SP15, SP25, SP35, Cesar 55, Cesar 65, PVC(F), HPS200	
Mechanical resistance	Resistance of roofing products to concentrated forces(sheet thickness 0,5 mm)	Profile name [mm]	Permissible span at concentrated force load of 1,2 kN [mm]
		BTD 18	800
		BTD 35	1500
		BTD 45.900	2000
		BTD 50	3000
		BTD 55	2500
	BTD 60	4500	
Water tightness		No perforations – watertight	
Dimensional changes		Thermal expansion coefficient: $12 \cdot 10^{-6} \text{K}^{-1}$ (steel)	
Release of hazardous substances		NPD	
External fire roof performance		Broof(t1,t2,t3) – CWFT option	
Reaction to fire		SP15, SP25, SP35 coating: A1 Cesar 55, Cesar 65 coating: A1 PVC(F) coating: A2-s1,d0	
Durability		<p>Compliant with specification</p> <p>metallic coating: Z100, Z140, Z200, Z225, Z275, AZ100, AZ150, AZ185, ZA200, ZA255, ZM60; ZM100, ZM120</p> <p>organic coating: SP15, SP25, SP35, Cesar 55, Cesar 65, PVD(F), HPS200</p>	