

**DECLARATION OF PERFORMANCE**  
**14TG/TRB-160/37/13**

**1. Unique identification code of the product type:**

TRB-160/750

**2. Number of type, batch or lot or any other element to identify the construction product required according to art.11 law 4:**

See the technical specification of the product.

**3. Provided by the manufacturer intended use or uses of a construction product in accordance with applicable harmonized technical specification**

Self-supporting profiled sheets applied in building industry to make roof covers and wall cladding of the buildings

**4. Name, registered trade mark or registered trade name and contact address details required according to art.11 law 5:**

BUDMAT  
Bogdan Więcek, Otolińska 25  
09-407 Płock

**5. System or systems of assessment and verification of constancy of construction product functional properties determined in annex V:**

Assessment system 3 and 4

**6. In case of declaration of functional properties concerning construction product covered by harmonized standard:**

Polish Standard PN-EN 14782:2008 - Self supporting metal sheets for roofs, outdoor and indoor cladding. Characteristics and requirements of the product.

**Usage and range of construction product usage:** in buildings located in the areas of the following corrosion categories (according to: PN EN ISO 12944-2:2001):

- sheets with zinc coating (Z 100) of 100g/m<sup>2</sup> applicable inside the buildings in the areas of corrosion category C1

- sheets with zinc coating of 100g/m<sup>2</sup> and covered with polyester organic coatings of thicknesses 12, 15, 18µm applicable inside the buildings in the areas of corrosion category C1, C2

- sheets with zinc coating of 200g/m<sup>2</sup> or aluminium-zinc alloy (AZ 150) of 150g/m<sup>2</sup> - applicable inside the buildings in the areas of corrosion category C1, C2

- sheets with zinc coating of 200g/m<sup>2</sup> and covered with polyester organic coatings up to thickness SP25µm - applicable inside the buildings in the areas of corrosion category C1, C2

- sheets with zinc coating of 275g/m<sup>2</sup> or aluminium-zinc alloy (AZ 150) of 150g/m<sup>2</sup> covered with polyester organic coatings of thicknesses 12, 15, 18µm - in the areas of corrosion category C1, C2 – for elevation

- sheets with zinc coating of 200g/m<sup>2</sup> and polyester organic coatings of thickness 25µm or higher - in the areas of corrosion category C1, C2, C3 for elevation

- sheets with zinc coating of 275g/m<sup>2</sup> or aluminium-zinc alloy (AZ 150) of 150g/m<sup>2</sup> covered with polyester organic coatings of thicknesses 25µm, 30µm or SP NOVA 50 or PVDF (25µm) - in the areas of corrosion category C1, C2, C3

- sheets with coating Z 350 or AZ 185g/m<sup>2</sup> – applicable outdoor in the areas of corrosion category C1, C2, C3

- perforated sheets protected with zinc coating of min.275g/m<sup>2</sup> and polyester organic coating of thickness min.12µm – applicable indoor, category C1, C2

		Technical characteristics	Declared value							
1		Fire resistance	class B ROOF (t1), class B ROOF(t2), class B ROOF (t3)							
2		Reaction to fire	Coating thickness ≤25µm	Coating thickness >25µm				Sheets covered with DRIPSTOP		
			A1	A2-s2,d0				A2-s2, d0		
3		Concentrated force resistance 1,2 KN support spacing L [mm]								
		Product name	Steel type		Steel thickness [mm]					Location
					0,70	0,75	0,88	1,00	1,25	1,50
1	TRB-160	S280	L	12000	12857	15085	17142	21428	21428	positive
2		S280	L	12000	12857	15085	17142	21428	21428	negative
3		S320	L	13714	14693	17240	19590	24489	24489	positive
4	TRB-160P*	S320	L	13714	14693	17240	19590	24489	24489	positive
5		S280	L	9500	10200	12000	13636	17045	20000	positive
6		S320	L	8300	8900	13741	15583	19479	22800	positive

\* - perforated sheets

Building Research Institute:

Department of Durability and Protection of Building carried out researches of products corrosion resistance and issued an opinion NO-2/819/A/2008 and Report No LM00-0785/11/Z00NM – assessment system 4

Fire Research Department carried out researches of painted coatings fire resistance and issued an opinion NP-1259.2.1/07/AK; NP-1259.2.2/07/AK; NP-1259.2.3/07/AK, NP-1259.2.3/2007/AK – assessment system 3

Building Structures Laboratory carried out researches of concentrated load and issued a report – LK-0691/P/09 - assessment system 3

**Water resistance, permeability of water, air and vapor** – Products that don't have perforations (as damages) are waterproof and impermeable to steam and air.

**Change of dimensions** – thermal expansion should be taken into account where such change may affect the use of product, correspondent steel thermal expansion coefficient  $12 \times 10^{-6} \text{ K}^{-1}$  should be taken into account.

Dimension tolerances for roof products are described in standard PN-EN 508-1

### 7. Product functional properties defined in paragraph 3 are consistent with those declared in paragraph 6

This declaration of performance is issued under the sole responsibility of the manufacturer. On behalf of manufacturer signed:

On behalf of manufacturer signed  
Production Director Mieczysław Kijek  
(name and position)

Płock 01.07.2013

**BUDMAT**  
  
 ..... Mieczysław Kijek .....  
 Podpis osoby upoważnionej



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