

ZM SILESIA Spółka Akcyjna

ul. Konduktorska 8, 40-155 Katowice, tel. (48 32) 358 74 00, fax (48 32) 259 83 31, e-mail: biuro@silesiasa.pl

Oddział Huta Oława: ul. Gen. Wł. Sikorskiego 2, 55-200 Oława, tel. (48 71) 313 40 31, fax (48 71) 313 40 35



## THE DECLARATION OF PERFORMANCE NR 01/B/20

### 1. Construction product name:

- zinc-titanium flat sheet **NATURAL, PRE-AGED GREY, PRE-AGED CARBON** (sheet and coils)

### 2. Designation of the construction product type:

- production batch number - number: coil / month / year

- thickness from 0.60 mm to 1.5 mm

-width

### 3. Intended use:

Full-surface supported roofing, facade and wall cladding (external and internal), production of sheet metal flashings, production of rainwater systems.

### 4. Manufacturer's name and address:

ZM SILESIA SA, 40-155 Katowice ul. Konduktorska 8, Poland

### 5. System of AVCP:

-within the range of the external fire – system 3

--other features - system 4

### 6. Technical specification of the product::

-PN-EN 988: 1998 " Zinc and zinc alloys. Technical specification of flat rolled goods for building industry "

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## 7. Declared performance of the product::

<b>Chemical composition</b>		
Zinc (Zn)	99,995	%
Copper (Cu)	0,08 ÷ 1,0	%
Titanium (Ti)	0,06 ÷ 0,2	%
Aluminium (Al)	≤0,015	%
<b>Mechanical properties (along rolling direction)</b>		
tensile strength $R_m$	150 - 180	N/mm <sup>2</sup>
lower yield point $R_{p0,2}$	110 - 150	N/mm <sup>2</sup>
elongation at break $A_{50}$	≥ 40	%
unit elongation at creep	≤ 0,1	%
Vicker's hardness	≥ 40	HV
<b>Physical properties</b>		
density	7200	kg/m <sup>3</sup>
melting point	420	°C
recrystallization temperature	> 300	°C
thermal expansion linear coefficient (along rolling direction)	0,022	mm/(m × K)
thermal expansion linear coefficient (at right angles to rolling direction)	0,017	mm/(m × K)
<b>Fire classification</b>		
Reaction to fire	class A1	Decision 96/603/EC and 2000/605/EC
Fire resistance	$B_{ROOF}(t_1, t_2, t_3)$	Decision 2000/553/EC

Dimensional tolerances for roofing products are defined in PN-EN 501: 1999

8. The performance of the products specified in items 1 and 2 are consistent with all those listed in items 7 declared performance. This declaration of performance is issued in accordance with the Act of 16 April 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by:

Wojciech Borkowski – Sales Director

(name, surname and position)

Katowice 20.01.2022 r.

(place and date)

ZM SILESIA SA  
Wojciech Borkowski  
Dyrektor Handlowy  
(signature)