


**DECLARATION OF PERFORMANCE**  
**No 1S-S5NS-003**  
According to regulation No 305/2011

Unique identification code of the product-type:	<b>Self - supporting double skin metal faced insulating panels (sandwich panels) TENAX with MW core</b>
Product name:	<b>TENAX W200 MW S Security TENAX W240 MW S Security</b>
Intended use:	<b>for external walls/walls and ceilings also for external all claddings</b>
Manufacturer:	<b>TENAX PANEL, SIA, Spodriibas 1, Dobeles, Latvia, LV- 3701</b>
System/s of AVCP:	<b>Scheme 1 (reaction to fire, fire resistance) Scheme 4</b>
Harmonised standard:	<b>EN 14509:2013</b>
Notified body/ies:	<b>No 1325 - AS Inspecta Latvia, Skanstes Str. 54A, LV-1013, Riga, Latvia</b>

The performance of the product identified above is in conformity with the set of declared performance/s (see attachment No 1). 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:  
TENAX PANEL SIA Project manager

  
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Baiba Cimernane  
11.10.2023

**Attachment No 1 to Declaration of Performance No 1S-S5NS-003**  
 Sandwich panels TENAX W200 MW Security, TENAX W240 MW Security

Year when CE mark was affixed	10	
Essential characteristics	Performance	
<b>Metal facings</b>		
Thickness, mm	0,6; 0,7; 0,8	
Steel name	S250GD; S280GD; S320GD	
Organic coating type and thickness	SP25; PVDF35	
<b>Core material</b>		
MW density, kg/m <sup>3</sup>	110	
Thermal conductivity, W/m·K	0,042	
<b>Panel</b>		
Thickness, mm	200	240
Panel weight, kg/m <sup>2</sup> (metal thickness 0,6/0,8 mm)	31,7	36,1
Shear modules of the core material, MPa	2,2	2,0
Shear strength of the panel, MPa	0,04	0,04
Long term shear strength, MPa	0,02	0,02
Creep coefficient		
- t = 2 000 h	0,4	0,4
- t = 100 000 h	0,6	0,6
Compressive strength of the core material, MPa	0,08	0,08
Cross-panel tensile strength, MPa	0,08	0,08
Wrinkling stress for inner face		
- in span	100	100
- for loads pressing at an internal support	90	90
Wrinkling stress for outer face, MPa		
- in span	100	100
- in span at elevated temperature	95	95
- for suction loads at an internal support	90	90
- for suction loads at an internal support at elevated temperature	85	85
Thermal transmittance, W/m <sup>2</sup> ·K	0,20	0,17
Durability	pass-all colours	pass-all colours
Resistance to point loads	NPD	NPD
Resistance to access loads, kPa	fail	fail
Reaction to fire	A2-s1,d0	A2-s1,d0
Fire resistance	EI120	EI120
Water permeability	NPD	NPD
Air permeability	NPD	NPD
Airborne sound insulation	NPD	NPD
Sound absorption	NPD	NPD