TENAXPANEL

DECLARATION OF PERFORMANCE
No 2S-S5P1-001
According to Regulation No 305/2011

Unique identification code of the product-type:	**Self-supporting double skin metal faced insulating panels (sandwich panels) TENAX with MW core**
Product name:	**TENAX W200 MW FIRE IMPACT SYSTEM T** **TENAX W240 MW FIRE IMPACT SYSTEM T** **TENAX W300 MW FIRE IMPACT SYSTEM T**
Intended use:	**for use in internal and external walls, wall claddings and ceilings in the buildings**
Manufacturer:	**TENAX PANEL, SIA** Spodrības 1, Dobele, Latvia, LV- 3701
System/s of AVCP:	Scheme 1 (Reaction to fire) Scheme 3 (Fire resistance) Scheme 4
Harmonised standard:	EN 14509:2013
Notified body/ies:	No 1325 - AS Inspecta Latvia, Skanstes Str. 54A, LV-1013, Riga, Latvia No 1396 – FIRES s.r.o., Osloboditelov 282, 059 35, Batizovice, Slovakia

The performance of the product identified above is in conformity with the set of declared performance/s (see attachments No 1 and No 2). 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

.....

Baiba Cimermane
06.06.2024.

TENAX GRUPA, TENAX PANEL SIA
Spodrības iela 1, Dobele,
LV3701, Latvija
Reģ. Nr. LV40203186964

tenaxpanel@tenaxgrupa.lv
T: +371 63707154
M: +371 27777752
www.tenaxpanel.com

TENAXPANEL

Declaration of Performance No 2S-S5P1-001, Annex 1

Sandwich panels TENAX W200 MW FIRE IMPACT SYSTEM T; TENAX W240 MW FIRE IMPACT SYSTEM T; TENAX W300 MW FIRE IMPACT SYSTEM T

Year when CE mark was affixed	19		
Essential characteristics	**Performance**		
Metal facings			
Thickness of external facing, mm	0,7		
Thickness of internal facing, mm	0,7		
Steel name	S280GD; S320GD		
Organic coating type and thickness	SP25; PVDF35; PVC150		
Core material			
MW density, kg/m³	120		
Thermal conductivity, W/m·K	0,045		
Panel			
Thickness, mm			
- declared	200	240	300
- nominal	203	240	300
Panel weight, kg/m² (metal thickness 0,7/0,7 mm)	37,1	41,9	49,1
Shear modules of the core material, MPa	5,5	5,5	5,5
Shear strength of the panel, MPa	0,070	0,070	0,060
Long term shear strength, MPa	0,030	0,030	0,024
Creep coefficient			
- t = 2 000 h	0,3	0,3	0,3
- t = 100 000 h	0,4	0,4	0,4
Compressive strength of the core material, MPa	0,13	0,13	0,12
Cross-panel tensile strength, MPa	0,15	0,15	0,14
Wrinkling stress for inner face			
- in span	120	120	110
- for loads pressing at an internal support	100	100	100
Wrinkling stress for outer face, MPa			
- in span	120	120	110
- in span at elevated temperature	100	100	100
- at an internal support	100	100	100
- at an internal support at elevated temperature	100	100	100
Thermal transmittance, W/m²·K	0,22	0,18	0,15
Durability	Pass - all colours	Pass - all colours	Pass - all colours
Resistance to point loads	NPD	NPD	NPD
Resistance to access loads, kPa	NPD	NPD	NPD
Reaction to fire	A2-s1,d0	A2-s1,d0	A2-s1,d0
Fire resistance for walls			
- horizontal installation	EI-M 120*	EI-M 120*	EI-M 120*
Fire resistance for ceilings	NPD	NPD	NPD
Water permeability	NPD	NPD	NPD
Air permeability	NPD	NPD	NPD
Airborne sound insulation	NPD	NPD	NPD
Sound absorption	NPD	NPD	NPD

* Designed as a structural system according to the manufacturer's instructions

TENAX GRUPA, TENAX PANEL SIA
Spodrības iela 1, Dobele,
LV3701, Latvija
Reģ. Nr. LV40203186964

tenaxpanel@tenaxgrupa.lv
T: +371 63707154
M: +371 27777752
www.tenaxpanel.com