

Declaration of Performance

- Product Type Identity Code:**
Painted Galvanized Steel and Rock Wall and Roof Coating Panel
- Intended Use:**
Thermal Insulation Products for Building Equipment and Industrial Applications
- Manufacturer and Address:**
PANELSAN Çatı Cephe Sistemleri Sanayi ve Ticaret A.Ş.
Çekirdeksiz OSB. 202. Cadde No: 18
Polatlı / Ankara
www.panelsan.com
- Assessment and Verification of Constancy of Performance System(s):**
System 3
- Harmonized Standard:**
The building material covered under TS EN 14509 has been evaluated by the TSE Fire and Acoustic Laboratory / 1783 accredited laboratory for performance consistency and the material's type tests were conducted based on type calculations under System 3, values provided in tables, or explanatory documents. A performance declaration has been prepared based on the test report number 265064.
- Specific Technical Certification:**
The building material described above has the stated performance characteristics. This performance statement, which is executed pursuant to Regulation (305/2011/EU) on the Construction Products, is only issued under the responsibility of the manufacturer as identified above
- Stated Performance:**
All of the basic characteristics referred to herein are in accordance with TS EN 14509:2014.

Basic Characteristics	Performance	Harmonized Technical Specification
Mechanical Strength	Steel Surfaces:	TS EN 14509:2014
	Thickness Tolerance: TS EN 10143, Nominal Yield Strength: Min. 220 N/mm ²	
	Specifications for Core Material:	
	Thermal Conductivity (λ): max. 0,043 W/mK	
	Density (kg/m ³): 100 \pm %10	
	Compressive Strength: min. 0,50 MPa	
	Shear Strength of Core Material: min. 0.015 MPa	
	Shear Modulus of Core Material (G): min. 0,90 MPa	
	Panel Characteristics:	
	Panel Thickness: 40-150 mm	
	Transversal Tensile Strength of Panel: min. 0,040 MPa	
	Compressive Strength: min. 0,050 MPa	
	Shear Strength: min. 0,9 MPa	
	Bending Moment Capability and Rigidity (μ)	
	Roof/Flat: min. 4,5 kNm/m	
	Roof/Inverted: min. 2,55 kNm/m	
	Wall/Flat: min. 2,10 kNm/m	
	Wall/Inverted: min. 1,70 kNm/m	
	Torsional Stress (σ)	
	Roof/Flat: min. 160 MPa	
	Roof/Inverted: min. 110 MPa	
	Wall/Flat: min. 80 MPa	
	Wall/Inverted: min.70 MPa	
	Bending Moment Capability on a Central Support (kNm/m)	
	Roof/Flat: min. 3,8 kNm/m	
	Roof/Inverted: min. 2,8 kNm/m	
	Wall/Flat: min. 1,85 kNm/m	
Wall/Inverted: min. 1,35 kNm/m		
Torsional Stress on a Central Support (σ)		
Roof/Flat: min. 130 MPa		
Roof/Inverted: min. 130 MPa		
Wall/Flat: min. 70 MPa		
Wall/Inverted: min. 60 MPa		

Reaction to fire	A2s1d0	TS EN 13501-1:2019
Endurance	Accepted	
Resistance to fire	NPD	
Flexural tensile strength (for ceilings)	NPD	
Water permeability	NPD	
Air permeability	NPD	
Water vapor permeability	NPD	
Airborne sound insulation	NPD	
Sound absorption	NPD	
Thermal conductivity	NPD	
Hazardous Substance	NPD	

The construction product defined above has the declared performance.
Therefore, all responsibilities related to the Declaration of Performance with PANELSAN Çatı Cephe Sistemleri Sanayi ve Tic. A.Ş.

On behalf of the Manufacturer
Signed by:
Recep Kaan MAŞLAK
General Manager