



**teknoprofil**<sup>®</sup>

## DECLARATION OF PERFORMANCE



**No: 11 – DoP – 28/06/2021**

**305/2011/EU Construction Products Regulation**

**1) Unique identification code of the product-type**

RP-5S / RP-3S / WP-SP / WP-SM / WP-HP / WP-HM / CP-SP

**2) Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4)**

Polyurethane (PUR) Insulated Sandwich Panels

**3) Intended use (according harmonized technical specification) of the product**

Metal Surface Insulation Panel for Use in Buildings

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**4) Name, registered trade name and contact address of the manufacturer (In accordance with the fifth paragraph of article 13 of this regulation) :**

Teknopanel Çatı ve Cephe Panelleri Üretim San. Ve Tic. A.Ş.

Manisa Turgutlu 1.OSB, Tic. ve San. Odası Bulvarı, 191. Cad. No:19/1, 45400, Selvilitepe, Turgutlu, Manisa

*www.teknopanel.com.tr*

**5) Name and contact address of the authorized representative (As per the second paragraph of Article 14 of this regulation)**

Not applicable.

**6) System(s) of assessment and verification of constancy of Performance of the construction product (specified in Annex-5 of this regulation)**

System 3

**7) Case a construction product covered by a harmonized standard;**

TS EN 14509, has been utilized in case of the stability of the performance and has been carried out under System 3 based on type estimates, the values given in the table or explanatory documents by the approved laboratory, TSE Building Materials Fire and Acoustic Laboratory/1783. In conclusion, declaration of performance has been executed under hand and seal based on the experimental report which is 2043372/01.

**8) Case of a construction product for which a European Technical Assessment has been issued**

Not applicable.

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## 9) DECLARED PERFORMANCE

All characteristics listed in the table hereunder are determined in harmonized standard TS EN 14509:2014

Essential Characteristics	Performance	Harmonized Technical Specification
Shear Strength (fcv)	Min 0,011 Mpa	Mechanical Strength
Shear Modulus (G)	Min. 2 MPa	
Compressive Strength	Min. 0,080 MPa	
Shear Strength After Long-Term Loading (fcv long term) (t=1.000 hours, -t=2.000 hours, - t=100.000 hours)	0,070 Mpa 0,065MPa 0,040MPa	
Creep Coefficient ( $\Phi_t=100.000$ hours) for Roofs (Snow Load):	Max. 1,8	
Creep Coefficient ( $\Phi_t=2.000$ hours) for Roofs (Snow Load):	Max. 1,2	
Cross Panel Tensile Strength	Min. 0,028 MPa	
Bending Moment Capacity and Stiffness	Positive: min. 3,2 kNm/m Negative: min. 2 kNm/m	
Wrinkling Strength	Positive min. 75 MPa Negative min. 75 MPa	
Bending Moment Capacity Over a Central Support	Positive: min. 1 kNm/m Negative: min. 1 kNm/m	
Wrinkling Stress Over a Central Support	Positive: min. 140 MPa Negative: min. 95 MPa	
Reaction to Fire Class	B s2 d0	Reaction to Fire Class
Thermal Conductivity of the Core Material ( $\lambda$ )	$\leq 0,024$ W/mK	Thermal Conductivity
External Fire Performance (For Roof)	BROOF(t1)	External Fire Performance
Water Permeability	NPD	
Air Permeability	NPD	
Water Vapor Permeability	NPD	
Airborne Sound Insulation	NPD	
Sound Absorption	NPD	
Panel Thickness	$\pm 2$ mm	
Deviation from Flatness	L=200 mm 0,6 mm L=400 mm 1,0 mm L>700 mm 1,5 mm	Dimensional Variation
Length of Panel (L)	L $\leq$ 3000 mm $\pm 5$ mm L>3000 mm $\pm 10$ mm	
Cover Width (w)	1000 $\pm 2$ mm	
Deviation from Straightness	$\pm 1$ mm/m, max. 5 mm	
Deviation from Squareness (s)	$s \leq 0,6\% * w$	

The construction material, which is identified above has the declared performance.

