



teknopanel®

DECLARATION OF PERFORMANCE



No: 02 – DoP – 04/04/2017

305/2011/AB Construction Products Regulation

Description of the Product	: Polyurethane (PUR) Insulated Sandwich Panels
Intended Usege of the Construction Material According to the Relevant Harmonized Technical Specifications	: Metal Faced Insulating Panel For Use In Buildings
Registered Trade Name of the Manufacturer	: Teknopanel Çatı ve Cephe Panelleri Üretim San.Tic.Ve A.Ş.
Contact Address of the Manufacturer	: 2. Organize Sanayi Bölgesi 1. Cadde No: 1 Kargalıhanbaba Köyü 54300 Hendek / Sakarya / TURKEY
System or system of the Construction Product:	System 3

The construction product, which is in compliance with the harmonized standart 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 SKY/2017-R00084.

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Declared Performance :

Essential Characteristics	Performance	Harmonize Technical Specification
Shear Strength	Min. 0,11 MPa	TS EN 14509
Shear Modulus	Min. 2 MPa	
Creep Coefficient (t=100.000 saat) (for roof)	Max. 1,8	
Creep Coefficient (t=2.000 saat) (for roof)	Max. 1,2	
Compressive Strength	Min. 0,095 MPa	
Shear Stress Long Term Loading (t=1.000 saat)	0,070 MPa	
Shear Stress Long Term Loading (t=2.000 saat)	0,065 MPa	
Shear Stress Long Term Loading (t=100.000 saat)	0,040 MPa	
Cross Panel Tensile Strength	Min. 0,080 MPa	
Cross Panel Tensile Strength at Elevated Temperatures	Min. 0,080 MPa	
Bending Moment Capacity and Stiffness	Düz; min. 3,2 kNm/m Ters; min 2 kNm/m	
Wrinkling Strength	Düz; min. 140 MPa Ters; min. 95 MPa	
Bending Moment Capacity Over a Central Support	Düz; min 3 kNm/m Ters; min. 1,95 kNm/m	
Wrinkling Moment Capacity Over a Central Support	Düz; min. 140 MPa Ters; min. 120 MPa	
Reaction to Fire Class	B s2 d0	TS EN 13501-1

Mechanical properties for covering metals: Steel Surfaces – Thickness Tolerance (EN 10143)

Nominal Yield Strength: Min. 220 N/mm²

Core materials specifications: Thermal Conductivity Max. 0,022 W/mK – Density 40 (+/-2) kg/m³ – Dimensional Stability (TS EN 13165) seviye DS(TH)

RP-3S / RP-5S / RP-3H / RP-5H codes for roof panel products, WP-HP / WP-HM / WP-SP / WP-SM codes for wall panel products, CP-SS codes for cold room panel products.

The construction material, which is identified above has the declared performance. This declaration of performance is issued under the responsibility of Teknopanel Çatı ve Cephe Panelleri Üretim San. ve Tic. A.Ş.

Signed for and on behalf of the manufacturer:

Orhan Kahveci
General Manager



Teknopanel Çatı ve Cephe Panelleri Üretim San. ve Tic. A.Ş.
Mrk.: Mersin - Tarsus USB 7. Cadde No: 10 Akdeniz - Mersin
Tel. : 0324 676 47 47 (pbx) Faks: 0324 676 47 48
U. Y. V. D. 8360357388 Mersis No: 3459 2712 9664 1458 / 7