



teknoproduct[®]

DECLARATION OF PERFORMANCE



No: 03 – DoP – 31/12/2009

305/2011/EU Construction Products Regulation

1) Unique identification code of the product-type

WR-SP / WR-SM / WR-HP / WR-HM / RR-5S

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

Rockwool Filled Sandwich Panels

3) Intended use (according harmonised 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.
Mersin Tarsus OSB 7. Cad. No:10, 33443, Akdeniz, MERSİN
www.teknopanel.com.tr

5) Name and contact address of the authorised 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 harmonised standard;

ERA/2184 has been evaluated by the accredited laboratory for the constancy of performance and type tests of the material have been carried out under system 3 based on type calculations, tabulated values or explanatory documents. Based on the test report numbered 2184-CPD-01001, a performance statement was drawn up.

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

Not applicable.

9) Declared Performance

All characteristics listed in the table hereunder are determined in harmonised standard TS EN 14509

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Essential Characteristics	Performance	Harmonized Technical Specification
Shear strength (fcv)	Min 0,06 Mpa	Mechanical Strength
Shear modulus (G)	Min. 4,6 MPa	
Compressive Strength	Min. 0,045 MPa	
Shear strength after long-term loading (fcv long term) (t=1.000 hours, -t=2.000 hours, - t=100.000 hours)	0,050 Mpa 0,045MPa 0,040MPa	
Creep Coefficient ($\Phi_t=100.000$ hours) For Roofs (Snow Load):	Max. 0,90	
Creep Coefficient ($\Phi_t=2.000$ hours) For Roofs (Snow Load):	Max. 0,60	
Cross Panel Tensile Strength	Min. 0,060 MPa	
Cross panel Tensile Strength at Clevated Temperatures	Min. 0,050 MPa	
Bending Moment Capacity and Stiffness	Positive: min. 2,3 kNm/m Negative: min. 2,3 kNm/m	
Wrinkling Strength	Positive: min. 95 MPa Negative: min. 100 MPa	
Bending Moment Capacity Over a Central Support	Positive: min. 3 kNm/m Negative: min. 3 kNm/m	
Wrinkling Stress Over a Central Support	Positive: min. 120 MPa Negative: min. 130 MPa	
Reaction to Fire Class	A2 s1 d0	
Thermal Conductivity of the Core Material (λ)	$\leq 0,042$ W/mK	Thermal Conductivity
External fire performance (For roof)	BROOF	External fire performance
Water permeability	NPD	Dimensional Variation
Air permeability	NPD	
Water vapour permeability	NPD	
Airborne sound insulation	NPD	
Sound absorbtion	NPD	
Panel thickness	± 2 mm	
Deviation from flatness	L=200 mm 0,6 mm L=400 mm 1,0 mm L>700 mm 1,5 mm	
Length of panel (L)	L \leq 3000 mm ± 5 mm L>3000 mm ± 10 mm	
Cover width (w)	1000 ± 2 mm	
Deviation from straightness	± 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. This declaration of performance is issued under the responsibility of Teknopanel Çatı ve Cephe Panelleri Üretim San. ve A.Ş.

Signed for and on behalf of the manufacturer by : Orhan Kahveci

General Manager



teknopanel

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