

Declaration of performance No.: 17/07/2014/CPR

1. Unique identification code of the product- type

„Superakustic-podłoga” EPS EN 13163 T(1)-L(3)-W(3)-Sb(5)-P(10)-BS50-DS(N)5-DS(70,90)5-SD(20-40)-CP3

2. Intended use/es

Thermal and acoustic insulation for buildings.

3. Manufacturer

Termo Organika® Sp. z o.o.
B. Prusa 33, 30-117 Kraków, Poland.

4. System/s of AVCP

System 3

5. a. Harmonised standard

Harmonised standard: EN 13163:2012

Notified body/ies: ITB – Instytut Techniki Budowlanej (notified body No 1488) under system 3 performed type testing (based on sampling carried out by the manufacturer).

6. Declared performance/s

Essential characteristics	Performance				Harmonised technical specification
Reaction to fire	E				EN 13163:2012
Continuous Glowing combustion	NPD				
Water permeability Water absorption (long term immersion) WL(T), WL(P) [%]	NPD				
Release of dangerous substances to the indoor environment	NPD				
Direct airborne sound insulation index Dynamic stiffness SD [MN/m³]					
	Thickness, d _L /d _B [mm]	17/15	22/20	38/35	
			27/25	43/40	
			33/30	53/50	
SD [MN/m³]	≤ 40	≤ 30	≤ 20		
Acoustic absorption index	NPD				

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Impact noise transmission index (for floors):				
Dynamic stiffness SD [MN/m³]	Thickness, d _L /d _B [mm]	17/15	22/20 27/25 33/30	38/35 43/40 53/50
	SD [MN/m³]	≤ 40	≤ 30	≤ 20
Thickness d _L [mm]	T(1) (-1 mm; +3 mm)			
Compressibility CP [mm]	CP3 (≤ 3 mm)			
Thermal resistance:				
Thermal resistance (R) and thermal conductivity (λ)	Declared thermal conductivity λ _D - 0,050 W/mK]			
	Thickness d _L /d _B [mm]		Thermal resistance R _D [m²K/W]	
	17/15		0,30	
	22/20		0,40	
	27/25		0,50	
	33/30		0,65	
	38/35		0,75	
	43/40		0,85	
	53/50		1,05	
Thickness [mm]	T(1) (-1 mm; +3 mm)			
Water vapour permeability [μ]	NPD			
Compressive strength:				
Compressive stress at 10% deformation CS(10) [kPa]	NPD			
Deformation under specified compressive load and temperature conditions DLT [%]	NPD			
Imposed load on the screed	≤ 4 kPa (400 kG/m²)			
Tensile/Flexural strength:				
Bending strength BS [kPa]	BS50 (≥ 50 kPa)			
Tensile strength perpendicular to faces TR [kPa]	NPD			
Durability of reaction to fire against heat, weathering, ageing/degradation	No change in reaction to fire properties for EPS products			

EN 13163:2012

EN 13163:2012

Durability of thermal resistance and thermal conductivity against ageing/degradation:	
Thermal resistance and thermal conductivity	Thermal resistance and thermal conductivity of EPS products does not change with time
Dimensional stability under specified temperature and humidity conditions DS(70,90) [%]	DS(70,90)5 (5%)
Durability of compressive strength against ageing and degradation:	
Compressive creep CC [%]	NPD
Freeze-thaw resistance [%]	NPD
Long term thickness reduction [mm]	NPD
<p>The indicator of reducing the impact level ΔL_w [dB] (impact sound insulation for floating floors expressed by dB; the measurement of reducing the impact level has been performed according to PN-EN ISO 10140-3:2011 standard; calculation of the indicator ΔL_w has been performed according to PN-EN ISO 717-2:1999 standard)</p>	
<p>27 dB (for boards 17/15 mm) 29 dB (for boards 22/20 mm) 30 dB (for boards 27/25 mm) 32 dB (for boards 33/30 mm) 32 dB (for boards 38/35 mm) 33 dB (for boards 43/40 mm) 34 dB (for boards 53/50 mm)</p>	
<p>According to Article 6, paragraph 5 of the Regulation of the European Parliament and of the Council (UE) No 305/11 it is to inform that the information required by Regulation No 1907/2006 of The European Parliament and of The Council of 18 December 2006 concerning registration, evaluation, authorisation and applied restriction of chemicals (REACH) are given in " the Product information" which is on the manufacturer's website www.termoorganika.com.pl</p>	
<p>Additional information In the form of instructions and technical data sheets are available on the manufacturer's website www.termoorganika.com.pl</p>	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

This document is the translation of Polish Declaration of performance 17/07/2014/CPR.

Signed for and on behalf of the manufacturer by:

Jerzy Pasternak, Investment & Control Director

Kraków, 30.07.2014.

