



# Declaration of Performance

REGULATION (EU) NO 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

Type of document:	DoP
ID:	EH 1020-CPD-050018074
Valid from:	1.7.2020
Site:	1/2

**Heatsys® EH 1020 - CPD - 050018074**

## 1. PRODUCT TYPE IDENTIFICATION

*Unique identification code of the product-type*

### Heatsys boards EPS 100S

stabilized expanded polystyrene boards for floor heating

**EPS - EN 13163 T2-L2-W2-S2-P3-BS150-CS(10)100-WL(T)2-DLT(1)5**

## 2. IDENTIFICATION

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

### Heatsys boards EPS 100S

## 3. INTENDED USE

*Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer*

Specification:	EPS 100S insulation boards are designed especially for thermal insulation with normal requirements for compressive load, such as floors, flat roofs, floor heating, etc. The boards are suitable for insulating layers of energy-saving buildings (lower energy and passive houses)
Use categories:	according to EN 13 163

## 4. MANUFACTURER

*Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):*

**ECORAW.RDP s.r.o.,**  
Televizni 2618,  
756 61 Rožnov pod Radhoštěm,  
Czech republic

## 5. CONTACT ADDRESS

*Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)*

**ECORAW.RDP s.r.o.,**  
Televizni 2618,  
756 61 Rožnov pod Radhoštěm,  
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## 6. ASSESSMENT AND VERIFICATION

### System AVCP 3

System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V

## 7. HARMONISED STANDARD (hEN)

EN 13 163

## 8. EUROPEAN ASSESSMENT (ETA)

In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued

Declaration of performance concerning a construction product covered by a harmonized standard: TZUS, Technical and test Institute for Constructio Prague, Notified Body 1020 , performed under system 3 and issued certificate of conformity of the factory production control 1020 - CPD - 050018074.

## 9. DECLARED PERFORMANCE

Essential characteristics	Performance	Harmonised specification
Dimensional stability at stable normal laboratory conditions:	DS(N)2	± 0,15 mm
Dimensional stability at specific conditions of temperature and relative air humidity:	DS(TH)(70,-)1 DS(TH)(70,90)1	max. 1% max. 1%
Strength in compression with 10% compression:	CS(10)100	110 kPa
Flexural strength:	BS150	150 kPa
Length: Width: Thickness: Rectangularity: Planeness:	L2 W2 T2 S2 P4	± 2 mm do 500 mm ± 1 mm ± 1 mm ± 2 mm/1000 mm ± 3 mm/bm
Long-term absorbability at full immersion:	WL(T) 5	≤ 5 % of volume
Diffusion resistance factor:		μ 20 – 40
Fire response class:		E <sub>fl</sub> pursuant to EN 13501 – 1
Flammability class:		B2 pursuant to DIN 4102
Coefficient of thermal conductivity:		λD = 0.037 W/m.K
Volume weight:		19 - 21 kg/m <sup>3</sup>
Thermal resistance RD:	at thickness 50 mm	1,35 (m <sup>2</sup> .K/W)
	at thickness 40 mm	1,08 (m <sup>2</sup> .K/W)
	at thickness 30 mm	0,81 (m <sup>2</sup> .K/W)
Coefficient of heat penetration:	at thickness 50 mm	0,74 W/(m <sup>2</sup> .K)
	at thickness 40 mm	0,93 W/(m <sup>2</sup> .K)
	at thickness 30 mm	1,23 W/(m <sup>2</sup> .K)



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## 10. DECLARATION

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Jiří Martinát**  
Product manager ECORAW®

**Ing. Miloš Benčok**  
Managing Director ECORAW®

In Rožnov pod Radhoštěm, 1.7.2020