



DECLARATION OF PERFORMANCE DoP ETA23/0605-2

1. Unique identification of the product-type:

iCell Fro'natū Cellulose Fibre Insulation Board

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

iCell board cellulose insulation

3. Intended use:

Thermal and sound insulation

4. Manufacturer:

**RS EcoSaver AB, Härkeberga Ekeby 21, 745 96 Enköping, Sweden
+46 251 130 100, info@icell.se www.icell.se**

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

**Fire performance: AVCP 1
Others: AVCP 3**

6. Technical assessment body (TAB):

ITC Division CSI – Centre of Civil Engineering

7. European Assessment Document

EAD 040005-00-1201

8. European Technical Assessment:

ETA-23/0605

9. Notified body:

ITC Division CSI – Centre of Civil Engineering (NB1023)

No	Essential characteristic and method of verification and assessment	Expression of product performance	
Basic Works Requirement 2: Safety in case of fire			
1	Reaction to fire	Class E	
Basic Works Requirement 3: Hygiene, health and the environment			
2	Biological resistance	<i>No performance assessed</i>	
Basic Works Requirement 4: Safety and accessibility in use			
3	Corrosion developing capacity	<i>No performance assessed</i>	
Basic Works Requirement 5: Protection against noise			
4	Specific airflow resistivity	<i>No performance assessed</i>	
5	Dynamic stiffness	<i>Not relevant (required for impact sound insulation only)</i>	
6	Impact sound reduction	<i>Not relevant (required for specific applications only)</i>	
7	Compressibility	<i>Not relevant (required for specific applications only)</i>	
8	Sound absorption	<i>No performance assessed</i>	
Basic Works Requirement 6: Energy economy and heat retention			
9	Thermal conductivity* $\lambda_{D, 23,50}$ $\lambda_{10, dry, 90/90}$	0.043 W/m.K 0.0393 W/m.K	
	For conversion of humidity the following applies:	1.213	
	-mass related moisture conversion coefficient $f_{u,1}$	4.018	
	-mass related moisture conversion coefficient to high moisture content $f_{u,2}$	1.094	
	-moisture conversion factors	1.181	
	F_{m1}		
	F_{m2}		
10	Water vapour diffusion resistance		
	water vapour resistance factor μ	10	

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No	Essential characteristic and method of verification and assessment	Expression of product performance	
11	Water absorption	$\leq 7.9 \text{ kg/m}^2$	
12	Geometry	Tolerances according to EN 13171: on length l: $\pm 2 \%$ on width b: $\pm 1.5 \%$ on thickness: T1	
13	Density	$(32 - 49) \text{ kg/m}^3 \pm 10\%$	
14	Flatness after one-sided wetting	<i>Not relevant (required for specific applications only)</i>	
15	Compressive stress or strength	<i>Not relevant (required for boards exposed to compression loads only)</i>	
16	Dimensional stability	<i>No performance assessed</i>	
17	Deformation under specified compressive load and temperature conditions	<i>Not relevant (required for boards exposed to compression loads and impact sound insulation product only)</i>	
18	Tensile strength (parallel)	<i>No performance assessed</i>	
19	Tensile strength (perpendicular)	<i>Not relevant (required for specific applications only)</i>	ETA 23/0605 EAD 040005-00-1201
20	Tensile strength perpendicular to faces in wet conditions	<i>Not relevant (required for specific applications only)</i>	
21	Compressive creep	<i>Not relevant (required for boards exposed to compression loads and impact sound insulation product only)</i>	
22	Behaviour under point load	<i>Not relevant (required for specific applications only)</i>	
23	Shear strength and shear modulus of elasticity	<i>Not relevant (required for specific applications only)</i>	



EN Tab. 2: Thicknesses and thermal resistance R_D **SE** Tab. 2: Tjocklek och Värmemotstånd R_D
NO Tab. 2: Tykkelser og varmemotstand R_D

EN Nom. thickness SE Nominell tjocklek NO Nominell tykkelse [mm]	EN Thermal resist. R_D SE Värmemotstånd R_D NO Varmemotstand R_D [m ² *K/W]
45	1,05
70	1,63
95	2,21
120	2,79
145	3,37
170	3,95

Signed for and on behalf of the manufacturer by:

Enköping 2026-04-05

Rainer Ström CEO