

DECLARATION OF PERFORMANCE

No. 014CPR2016-06-20-CLIM

1. The unique identification code of the product type:

In-situ formed loose fill thermal and acoustic insulation products made of cellulose fibres

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

WARMCEL

3. Intended use or intended use of the construction product in accordance with the applicable harmonized technical specification foreseen by the manufacturer:

The insulating material used for the application for walls, roofs, ceilings, floors – thermal and acoustic insulation

4. Name, registered trade name or registered trade mark and the contact address of the manufacturer as required under Article 11 (5):

**CIUR a.s.,
Malé náměstí 142/3, CZ-110 00 Prague 1
ID: 40612724, VAT: CZ40612724**

Premises:

**Pražská 1012, CZ-250 01 Brandýs nad Labem
Tel.: +420 326 901 411, Fax: +420 326 901 456, E-mail: info@ciur.cz**

5. Where applicable, name and contact address of the authorized representative, whose mandate covers the tasks specified in Article 12 (2):

Not appointed

6. The system or systems of assessment and verification of consistency of performance of the construction product, as specified in Annex V:

Assessment system 3

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Not applicable

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

Technický a zkušební ústav stavební Praha, s.p., Prosecká 811/76a, CZ-190 00 Praha 9 issued on the basis of European Assessment Document (EAD) No. 040138-00-1201, on June 20, 2016

ETA 15/0875

DECLARATION of PERFORMANCE

9. Declared performance

Property	Measured values	Harmonized technical specification
Density	<ul style="list-style-type: none"> Cavity walls and wall frame constructions = 50 kg/m³ Cavities of pitched roofs and ceiling cavities = 40 kg/ m³ Ceiling cavities and horizontal low slope areas ($\leq 10^\circ$) = 30 kg/ m³ 	ETA 15/0875
Reaction to fire	Class E	EN 13501-1 + A1
Biological resistance (growth of mould fungus)	Class E	Annex F of EN 15101-1
Sound absorption (th. of 100 mm) <ul style="list-style-type: none"> - acoustic absorption index - sound absorption coefficient calculated in 1/1 octave bands at the frequency: <ul style="list-style-type: none"> 125 Hz 250 Hz; 500 Hz; 1000 Hz 2000 Hz; 4000 Hz - class 	1.00 0.65 1.00 1.00 A	EN ISO 354, EN ISO 11654
Thermal conductivity [W/(m*K)]	$\lambda_{D, 23,50} = 0,038$ $\lambda_{10, dry, limit} = 0,0361$ $\lambda_{10, dry, 90/90} = 0,0368$	EN 12667, EN ISO 10456, EAD 040138-00-1201
Water vapour diffusion resistance <ul style="list-style-type: none"> - water vapour resistance factor 	2.0	EN 12086
Corrosion developing capacity	Pass, Class CR	Annex E of EN 15101-1
Settlement in cavities of walls and between rafters <ul style="list-style-type: none"> a) bulk density 59.6 kg/m³ b) bulk density 55.1 kg/m³ c) bulk density 50.0 kg/m³ 	No settlement and cracks (settlement $\leq 1\%$) Class SC O	Annex B.2 of EN 15101-1
Settlement under cyclical temperature and cyclic humidity <ul style="list-style-type: none"> a) bulk density 30.0 kg/m³ b) bulk density 50.0 kg/m³ 	>25%; SH 30 $\leq 10\%$; SH 10	Annex B.1 of EN 15101-1

DECLARATION of PERFORMANCE

Settlement under impact excitation and constant temperature and humidity conditions Bulk density 30.0 kg/m ³	$S_{cli} \leq 9\%$ $S_{cli} \leq 14\%$	Annex B.3 of EN 15101-1
Critical moisture content	75%	EN 1609 method A
Specific airflow resistivity a) bulk density 45.0 kg/m ³ b) bulk density 60.0 kg/m ³	$\leq 13 \text{ kPa} \cdot \text{s/m}^2$ $\leq 18 \text{ kPa} \cdot \text{s/m}^2$	EN 29053

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

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

Signed for and on behalf of the manufacturer by:

Dipl. Eng. Mojmir Urbánek
Production and Research Director

Brandýs nad Labem, 20 June 2016

 **CIUR a.s.**
Malé náměstí 142/3
110 00 Praha 1
Výrobní závod
Pražská 1012
250 01 Brandýs nad Labem -2-

