



Declaration of Performance

in compliance with Regulation (EU) No 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), Annex V, Art. 1.4 (System 3), as amended

č. ZZDDOPGIA-----180425

1. Unique identification code of the product-type: **grenaisol[®] + grenaisol[®] PRO + grenaisol[®] Arcus**
(identification is possible according to the label attached to the packaging)
2. Intended use/es: **Construction and insulation material / board based on exfoliated vermiculite (EV) intended for the construction of fireplaces, tiled stoves and similar applications with a maximum use temperature of 1100°C (EN 1094-2).**
3. Manufacturer: **GRENA, a.s., Třída Čs. armády 541, 391 81, Veselí nad Lužnicí II, CZ IČ: 46678832**
4. Authorised representative: ---
5. System/s of AVCP: **system 3**
6. Harmonised standard: **ČSN EN 15501:2013**
Notified body/ies: **Centrum stavebního inženýrství a.s., Notified body No. 1390, Pražská 16/810, 102 00 Praha 10, IČ: 45274860**

7. Declared performance/s:

Essential characteristics	Performance	
Reaction to fire, Euroclass characteristics	A1	
Thermal resistance	24°C	0,202 W.m ⁻¹ .K ⁻¹
	200°C	0,220 W.m ⁻¹ .K ⁻¹
	600°C	0,263 W.m ⁻¹ .K ⁻¹
	1000°C	0,299 W.m ⁻¹ .K ⁻¹
Water vapor permeability	$\mu = 9,1 \pm 0,3 (-)$	
Compressive strength	CS(Y) 1 000 and more (see TDS)	
Release of corrosive substances	NPD	
Stability reaction to fire in aging/degradation	NPD*	
Release of dangerous substances into the indoor environment	NPD**	
Burning gradual glowing	NPD	
Stability of thermal resistance in aging/degradation	NPD*	
Stability of reaction to fire at a high temperature	NPD*	
Stability of the thermal resistance at high temp.	see „Thermal resistance“	

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **Initial assessment of the characteristics of the product No. 1390-CPR-0443-2015/P from November 24th 2015**

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.

Signed for and on behalf of the manufacturer:

Elaborated by:
Ing. Lukáš Šmehlík – Quality Director

Approved by:
Ing. Petr Novotný – Chairman of the Board

In Veselí nad Lužnicí, April 25th 2018

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