



# 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. ZZDDOPASA-400-----200101

1. Unique identification code of the product-type:

**grenamat<sup>®</sup> AS OH 400 kg/m<sup>3</sup>**

(identification is possible according to the label attached to the packaging)

2. Intended use/es:

**Refractory board based on exfoliated vermiculite and inorganic binder with a thermal resistance to high temperatures and thermal shocks.**

3. Manufacturer:

**GRENA, a.s., Třída Čs. armády 541,  
391 81, Veselí nad Lužnicí II, CZ  
IČ: 46678832**

4. Authorised representative:

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5. System/s of AVCP:

**system 3**

6. Harmonised standard:

**ČSN EN 15501 ed.2:2016**

Notified body/ies:

**Technical and Test Institute for Construction Prague,  
Notified body No. 1020, The Plzeň Branch - 0300  
Zahradní 15, 326 00 Plzeň**

7. Declared performance/s:

Essential characteristics	Performance	
Reaction to fire, Euroclass characteristics	A1	
Thermal resistance	20°C	0,165 W.m <sup>-1</sup> .K <sup>-1</sup>
	200°C	0,191 W.m <sup>-1</sup> .K <sup>-1</sup>
	600°C	0,248 W.m <sup>-1</sup> .K <sup>-1</sup>
	800°C	0,277 W.m <sup>-1</sup> .K <sup>-1</sup>
	1000°C	0,290 W.m <sup>-1</sup> .K <sup>-1</sup>
Water vapor permeability	NPD	
Compressive strength	CS(10) 1 000	
Release of corrosive substances	<150 mg/kg	
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:

**The protocol of assessment of product properties  
No. 1020-CPR-030053641 from August 16<sup>th</sup> 2016**

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:  
Jiří Šilhan – Quality Director

Approved by:  
Jan Kloubec – Executive Director

In Veselí nad Lužnicí, January 01<sup>th</sup> 2020



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