



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-450-----170101

1. Unique identification code of the product-type:

grenamat[®] AS OH 450-475 kg/m³

(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:

5. System/s of AVCP:

system 3

6. Harmonised standard:

ČSN EN 15501:2013

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	24°C	0,207 W.m ⁻¹ .K ⁻¹
	200°C	0,229 W.m ⁻¹ .K ⁻¹
	600°C	0,272 W.m ⁻¹ .K ⁻¹
	800°C	0,309 W.m ⁻¹ .K ⁻¹
	1000°C	0,306 W.m ⁻¹ .K ⁻¹
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 16th 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:
Ing. Lukáš Šmehlík – Quality Director

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

In Veselí nad Lužnicí, December 23th 2016



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