



# 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. ZZDDOPHTA-850-----170101

1. Unique identification code of the product-type:

**grenamat<sup>®</sup> HTI 850 kg/m<sup>3</sup>**

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

2. Intended use/es:

**High temperature insulating board ideal for back-up and in some cases for hot face application**

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 15501:2013**

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                     | 0,319 W.m <sup>-1</sup> .K <sup>-1</sup> |
|   | 200°C                    | 0,335 W.m <sup>-1</sup> .K <sup>-1</sup> |
|   | 600°C                    | 0,372 W.m <sup>-1</sup> .K <sup>-1</sup> |
|   | 800°C                    | 0,417 W.m <sup>-1</sup> .K <sup>-1</sup> |
|   | 1000°C                   | 0,399 W.m <sup>-1</sup> .K <sup>-1</sup> |
| Water vapor permeability                                    | NPD                      |  |
| Compressive strength  | CS(10) 3 000             |  |
| 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:  
Ing. Lukáš Šmehlík – Quality Director

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

In Veselí nad Lužnicí, December 23<sup>th</sup> 2016



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