



## DECLARATION OF PERFORMANCE

0054\_Perlite Dämmplatte EPB\_007\_15012021

1. Unique identification code of product type:

**Thermal Insulation board made of expanded perlite, deviating from EN 13169,  
Rotkalk in-Board 045 TecTem**

2. Intended use/es:

**Thermal Insulation board made of expanded perlite used for interior insulation of walls and ceilings**

3. Manufacturer:

**Knauf Performance Materials GmbH  
Kipperstraße 19  
D-44147 Dortmund  
Tel.: (0231) 99 80 01  
Fax.: (0231) 99 80 138  
www.knauf-performance-materials.com**

4. Authorised representative:

**not applicable**

5. System/s of AVCP:

**System 3, and additional system 1 for reaction to fire**

6a. Harmonised standard:

**not applicable**

Notified body/ies:

**not applicable**

6b. European Assessment Document:

**EAD 040010-00-1201: Feb. 2018**

European Technical Assessment:

**ETA-15/0004: Jan. 2021**

Technical Assessment Body:

**Deutsches Institut für Bautechnik - DIBt**

Notified body/ies:

**MPA NRW, Marsbruchstraße 186, 44287 Dortmund, notified body 0432**

7. Declared performance/s:

Essential characteristics	Performance	Harmonised standard
Nominal thickness	50±2mm-200±2mm	EN 823
Nominal length	500±3mm-1250±3mm	EN 822
Nominal width	400±3mm-1250±3mm	EN 822
Flatness	NPD	
Squareness	≤ 3mm/m	EN 824
Bulk density	90 - 105 kg/m <sup>3</sup>	EN 1602
Water vapour diffusion resistance coefficient	μ= 5 to 6	EN 12086
Sound absorption	NPD	
Compressive creep	NPD	
Point load	NPD	
Tensile strength	≥ 80 kPa	EN 1607
Compressive strength	≥ 200 kPa, CS(10\Y)200	EN 826
Bending strength	≥ 120 kPa	EN 12089
Dimensional stability under specific temperature and humidity conditions	max ±0,5% (23°C, 90% rel. humidity and 70°C, 50% rel. humidity)	EN 1604
Deformation under specific load and temperature conditions	≤5%, DLT(3)5	EN 1605
Reaction to fire	Class A1	EN 13501-1:2007+A1:2009
Nominal value of thermal conductivity λ <sub>D(23/50)</sub>	0,045 W/(mK) (50 mm ≤ d <sub>N</sub> < 120mm) 0,044 W/(mK) (120 mm ≤ d <sub>N</sub> < 200mm)	EN 12667:2001 in accordance with to EN 13169:2012+A1:2015

8.Appropriate Technical documentation and/or Specific Technical Documentation:

The notified body MPA NRW, Marsbruchstraße 186, 44287 Dortmund, notified body 0432, made the initial type test according to system 3 and additional to system 1 for reaction to fire. MPA NRW issued the test report 420001768 06-01 from 23.01.2006, and the test report for reaction to fire from 23.01.2006 . At 29.08.2018 MPA NRW issued the certificate of performance 0432-CPR-00496-04.

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 by:

Benno Böhm  
General Manager

Dortmund, 15.01.2021

(place and date of issue)



(signature)

**KNAUF PERFORMANCE  
MATERIALS GmbH**  
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