

Declaration of performance according to Annex III of the Regulation (EU) No. 305/2011		
Pura Core		
Unique identification code of the product-type	PU_MD_25/0094	
Intended use or uses	Thermal insulation board for internal insulation of walls and ceilings	
Manufacturer	redstone GmbH & Co. KG Haferwende 1 D-28357 Bremen Phone: +49 421 / 22 31 49 - 0 Fax: +49 421 / 22 31 49 - 90 E-mail: info@redstone.de	
System or systems of assessment and verification of constancy of performance	System 3	
European Assessment Document	EAD 040012-00-1201	
European Technical Assessment	ETA-25/0094	
Technical Assessment Body	Deutsches Institut für Bautechnik	
Notified body	Plant 7: Kiwa GmbH, MPA Berlin-Brandenburg (ID number: 0770) Plant 6: LGA BAUTECHNIK GMBH (ID number: 0780)	

Essential characteristic	Harmonised standard	Performance
Reaction to fire:	EN 13501-1:2018	Class A1, non-flammable
Content and/or release of dangerous substances:		The construction product does not contain or release any hazardous substances according to EOTA TR 034 (version October 2014).
Water vapour diffusion resistance coefficient:	EN 12086:2013	$\mu = 3$
Thermal conductivity (declared value):	EN 12667:2001	$\lambda_{D(23,50)} = 0,043 \text{ W/(mK)}$
Conversion of humidity: mass-related moisture content: - at 23 °C / 50 % relative humidity - at 23 °C / 80 % relative humidity mass-related moisture conversion coefficient: - dry to 23 °C / 50 % relative humidity - 23 °C / 50% to 23 °C / 80% relative humidity Moisture conversion factor: - dry to 23 °C / 50 % relative humidity - 23 °C / 50% to 23 °C / 80% relative humidity	EN ISO 10456:2007 + AC:2009	U _{23.50} = 0.028 kg/kg U _{23.80} = 0.032 kg/kg fu1 = 0.42 fu2 = 1.98 Fm1 = 1.012 Fm2 = 1.01

Dimensions:		
Nominal thickness		20 mm to 300 mm
Nominal length		350 mm to 1.000 mm
Nominal width		200 mm to 750 mm
Dimensional deviations (individual values)		maximum deviation:
Length and width	EN ISO 29465:2022	± 2 mm; Class L(2) and W(2) according to EN 13163: 2012 +A2:2016
thickness	EN ISO 29466:2022 (with a load of 250 Pa)	± 2 mm
Perpendicularity in length and width directions	EN 824:2013	$S_b \leq 4$ mm/m
Flatness	EN ISO 29468:2022	$S_{max} \leq 2$ mm
Water absorbtion (individual values):		
Procedure B, Conditioning: 40 °C to constant mass	EN ISO 29767:2019	≤ 2 kg/m ²
Procedure 1B, Conditioning: 40 °C to constant mass	EN ISO 16535:2019	≤ 3 kg/m ²
Density:	EN ISO 29470:2020 Conditioning: 105 °C to mass constancy	Density range (each individual value): 100 kg/m ³ - 115 kg/m ³
Bending strength (individual value):	EN 12089:2013 Procedure B, Conditioning: 40 °C to constant mass	≥ 80 kPa
Compressive strength:	EN ISO 29469:2022 40 °C to constant mass	Mean value of compressive strength: Individual values may be up to 10% below this value: ≥ 300 kPa
Dimensional stability under defined temperature and humidity conditions: - Conditioning: 48 h, (70 $\pm$ 2) °C - Conditioning: 48 h, (23 $\pm$ 2) °C, (90 $\pm$ 5) % relative humidity	EN 1604:2013	Dimensional changes in length, width and thickness: - max. $\pm 0,5\%$ - max. $\pm 0,5\%$
Tensile strength perpendicular to faces (individual value): - Conditioning: 40 °C to constant mass	EN 1607:2013	≥ 80 kPa
Point load: - Conditioning: 40 °C to constant mass	EN 12430:2013	Deformation under a point load of 1.000 N $\leq 1,0$ mm PL(P)1 according to EN 13167:2012+A1:2015

The performance of the product is in conformity with the declared performances.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with the Regulation (EU) No 305/2011.

Signed for and on behalf of the manufacturer by:

Bernd Osmers

Bremen, 07.03.2025

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