



Declaration of Performance

in accordance with Annex III of the European Regulation (EU) No. 305/2011

Nr. DoP-17112020

for the Product

PHONOTHERM[®]
RG 550/ RG700

Intended use

Product family to which the above construction product belongs:

Thermal insulation in buildings

Manufacturer:

BOSIG Baukunststoffe GmbH
Roland-Schmid-Straße 1
04910 Elsterwerda

European Technical Assessment

ETA-20/0743 of 2020/10/19



Declaration of Performance	
Product	Phonotherm® RG 550
Unique identification code of the product type:	Phonotherm® RG 700
Identification of the construction product:	imprint on product
Intended use	
Product family to which the above construction product belongs:	Thermal insulation in buildings
Manufacturer:	BOSIG Baukunststoffe GmbH Roland-Schmid-Straße 1 DE-04910 Elsterwerda Tel.Nr.: +49 (0) 35 33 700 0 www.bosig.de
Harmonised standard:	not applicable
Assessment and verification of constancy of performance (AVCP system):	System 3
European Technical Assessment:	ETA-20/0743 of 2020/10/19

Essential characteristics	Declared Performance		Technical specification	
	Phonotherm® RG 550	Phonotherm® RG 700		
Reaction to fire:	The insulation boards are classified as Euroclass E		EN 13501-1	
Density:	550 ± 25 kg/m ³	700 ± 25 kg/m ³	EN 1602	
Durability of thermal resistance against high temperature:	$\lambda(23,80) = 0,083 \text{ W/(m}^*\text{K)}$	$\lambda(23,80) = 0,106 \text{ W/(m}^*\text{K)}$	EN 12667	
Compressive strength:	≥ 7000 kPa	≥ 8100 kPa	EN 826	
Airflow resistance:	No Performance Assessed			
Sound absorption:	No Performance Assessed			
Water absorption:	Board 20 mm: 0,14% Board 60 mm: 0,41%	Board 10 mm: 0,14% Board 30 mm: 0,22%	EN 1609	
Water vapour transmission (μ):	25	25	EN 12086	
Dimensional stability at 70°C und 90%RF:	Length / Width: 1% Trickness 5%		EN 1604	
Conversion factor F_m for the conversion of $\lambda_{23,50}$ to $\lambda_{23,80}$:	No Performance Assessed			
Compressive creep (X_{ct}):	No Performance Assessed			
Geometry	Length:	2400 / 3600 mm ± 2 mm/m		EN 822
	Width:	1350 / 1500 mm ± 2 mm/m		
	Thickness:	20 – 60 mm ± 0,4 mm	10 – 30 mm ± 0,4 mm	EN 823
	Flatness:	4 mm		EN 825
	Squareness:	3 mm/m		EN 824
Compressive creep (X_{ct}):	No Performance Assessed			



The performance of the product
identified above is in conformity with
the declared performance(s).

The above listed manufacturer is solely responsible for this
Declaration of Performance in accordance
with Annex III of the European Regulation (EU) No. 305/2011.

Signed for the manufacturer and on behalf of the manufacturer by:

Elsterwerda, 17th November 2020

A handwritten signature in black ink, appearing to read "J. Schulze".

Jens Schulze
Managing Director

A handwritten signature in black ink, appearing to read "M. Fischer".

Dipl.-Ing. (FH) Marko Fischer
Product Manager

For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.



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