

Manufacturer **BOSIG Baukunststoffe GmbH**
Product Name **PHONOTHERM® 200**

Product Rating

- The product contains 50% recycled materials and contribute to achieve LEED credits within MR Credit 4.

Indoor Environmental Quality (IEQ) - LEED Category

 IEQ Credit 4.1: Low Emitting Materials: **Adhesives and Sealants** 1 Point

 IEQ Credit 4.2: Low Emitting Materials: **Paints and Coatings** 1 Point

 IEQ Credit 4.3: Low Emitting Materials: **Flooring Systems** 1 Point

 IEQ Credit 4.4: Low Emitting Materials: **Composite Wood and Agrifiber Products** 1 Point

Materials and Resources (MR) - LEED Category

 MR Credit 4: **Recycled Content** 1-2 Points **50%**

 MR Credit 5: **Regional Materials** 1-2 Points **See Location**

 MR Credit 6: **Rapidly Renewable Materials** 1 Point

 MR Credit 7: **Certified Wood** 1 Point

Product Characteristics

Phonotherm® 200 boards are made of high quality CFC-, HCFC- and formaldehyde-free polyurethane hard foams. Phonotherm® 200 is a functional material that convinces through extraordinary properties.

Its resistance to moisture makes Phonotherm® 200 very durable and prevents it from rotting. This renders Phonotherm® 200 far superior to conventional wooden boards such as press boards and MDF boards, yet has similar machining properties.

Phonotherm® 200 can be machined using normal carbide tools and can even be milled in fine detail without danger of break-out.

Phonotherm® 200 is also resistant to chemicals, easy to work and can be laminated and combined with other materials.

About LEED & Products - www.usgbc.org


This declaration helps to assess products easily according the certification system LEED® 2009 New Construction and Major Renovations NC & CS (excluded SCHOOLS). Products are not reviewed or certified by LEED. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information about LEED visit www.usgbc.org/leed. The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve LEED points.

Below you find an explanation of the symbols. Detailed information are on the next pages.

 **Credit requirements fulfilled - the credit point can be achieved**

 **Credit is not applicable to this product**

 **22% X% of the product comply with the credit requirement**

 **Required data not specified - for required data contact manufacturer**

 **Credit requirements are not fulfilled**

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MR Credit 4: Recycled Content (1-2 Points)

Intent

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Requirement

Use materials with recycled content* such that the sum of post-consumer** recycled content plus one-half of the pre-consumer*** content constitutes at least 10%/20% (based on cost) of the total value of the materials in the project.

The minimum percentage materials recycled for each point threshold is as follows:

- 10% Recycled Content -> 1 Point
- 20% Recycled Content -> 2 Points.

* Recycled content is defined in accordance with the International Organization of Standards document, ISO 14021 — Environmental labels and declarations — Self-declared environmental claims (Type II environmental labeling).

** Postconsumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

*** Preconsumer material is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.

Detailed Rating

No	Product Name	Manufacturer	Recycled Content		Contribution of Product	
			Post-Consumer	Pre-Consumer		
A1	PHONOTHERM® 200	BOSIG Baukunststoffe GmbH	0%	100%	Accountable recycled content according to LEED is 50% (1 x Post-Consumer + 0.5 x Pre-Consumer).	50%

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MR Credit 5: Regional Materials (1-2 Points)

Intent

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Requirement

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) must contribute to the regional value. The minimum percentage regional materials for each point threshold is as follows:

- 10% Regional Materials -> 1 Point
- 20% Regional Materials -> 2 Points.

Detailed Rating

No	Product Name	Manufacturer	Location Harvesting/ Extraction	Location Manufacturing
A1	PHONOTHERM® 200	BOSIG Baukunststoffe GmbH	06188 Landsberg (D), 68560 Wevelgem (B), 7102 JH Winterswijk (NL), 62110 Henin Beaumont (F)	04910 Elsterwerda (D)