





**Product Declaration - LEED® 2009 New Construction And Major Renovations NC & CS**
**MANUFACTURER** puren GmbH

**PRODUCT NAME** purenit®

**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: <b>Adhesives and Sealants</b>	1 Point	
IEQ Credit 4.2: Low Emitting Materials: <b>Paints and Coatings</b>	1 Point	
IEQ Credit 4.3: Low Emitting Materials: <b>Flooring Systems</b>	1 Point	
IEQ Credit 4.4: Low Emitting Materials: <b>Composite Wood and Agrifiber Products</b>	1 Point	

**Materials and Resources (MR) - LEED Category**

MR Credit 4: <b>Recycled Content</b>	1-2 Points	<b>50%</b>
MR Credit 5: <b>Regional Materials</b>	1-2 Points	<b>See Location</b>
MR Credit 6: <b>Rapidly Renewable Materials</b>	1 Point	
MR Credit 7: <b>Certified Wood</b>	1 Point	

**Product Characteristics**

purenit® is a polyurethane product on (PUR/PIR) rigid foam basis, free of CFCs and HCFCs, with a high thermal insulation grade. You can process this high-performance multi-function material on any wood-working machine, it is recyclable and originally not laminated. purenit® is much more than just a construction material. Based on its indefinite types of application and its multitude of excellent properties and characteristics regarding processing throughout various industries and product areas, we consider purenit® a multi-purpose material. On account of its outstanding composition, purenit® can be fastened with screws, is stable against moisture, hard, light-weight, easy to handle and process, temperature-resistant, heat-insulating, resistant to chemicals, excels through its high rigidity, and may be laminated and/or combined with other materials.

-  **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**

**About LEED & Products - [www.usgbc.org](http://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](http://www.usgbc.org/leed). The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve LEED points.

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

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Detailed Rating

No	Product Name	Manufacturer	Mass per unit* [%]	VOC in g/l	VOC-Limit in g/l	Flooring Systems	Composite Agrifiber product	Recycled Content		Regional Materials		Rapidly Renewable Material	Certified Wood
								Post-Consumer	Pre-Consumer	Location Harvesting/ Extraction	Location Manufacturing		
A1	purenit®	puren GmbH	~ 100%	N/A	N/A	N/A	N/A	0%	100%	88662 Überlingen (D), 73543 Abtsgmünd (D)	89611 Obermarchtal (D)	N/A	N/A
A2													
A3													
A4													
A5													
A6													
A7													
A8													
A9													
A10													
	purenit®	puren GmbH	100,0					0,0%	100,0%	If the location of 'Harvesting & Extraction' and 'Manufacturing' is within a radius of 500 miles of the project the subproduct contributes to the credit.			
								50,0%					

\* All values are based on the unit:   \*\*LEED default recycled content for steel

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

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by adhesives and sealants applied on site.

**Requirement**

All adhesive, sealants and sealant primers used on the interior of the building (defined as inside of the weatherproofing system and applied on-site) must comply shall comply with the VOC content limits of the following:

- SCAQMD Rule #1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005),
- Aerosol Adhesives must comply with Green Seal Standard for Commercial Adhesives GS-36 requirements in effect on October 19, 2000.

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


Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants caused by paints and coatings applied on site.

**Requirement**

Paints and coatings used on the interior of the building (defined as inside of the weatherproofing system and applied on-site) must comply with the VOC content limits of the following:

- Green Seal Standard GS-11, Paints Edition, May 20, 1993,
- Green Seal Standard GC-03, Anti-Corrosive Paints, Second Edition, January 7, 1997, and
- South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

**Detailed Rating**

No	Product Name	Manufacturer	Related Credit	Product Type	VOC-Content		Contribution of Product	
					Allowable	Product		
A1	purenit®	puren GmbH	N/A	N/A	N/A	N/A	The product is no adhesive, sealant, paint or coating.	

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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 Post-Consumer	Pre-Consumer	Contribution of Product	
A1	purenit®	puren 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	purenit®	puren GmbH	88662 Überlingen (D), 73543 Abtsgmünd (D)	89611 Obermarchtal (D)