MANUFACTURER       puren GmbH
PRODUCT NAME       puren-PIR NE

Product Rating
The product is not applicable to any LEED credits.

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
MR Credit 5: Regional Materials 1-2 Points
MR Credit 6: Rapidly Renewable Materials 1 Point
MR Credit 7: Certified Wood 1 Point

Product Characteristics
High-performance insulation material made of polyurethane (PU) rigid foam according to EN 13165 without facings (slabstock), for flat roofs (tapered insulation) and facade (ETICS, peripheral or perimeter insulation) application.
Thermal conductivity λD = 0,025 to 0,032 W/(m×K) dependent on thickness and density.
High compressive strength 120-900 kPa acc. to EN 826.
Emission free, ecologically and biologically unobjectionable, recyclable, rotproof, resistant to mildew and decay.
Product names:
- puren NE-B2, puren NE-druckfest, purenotherm, purenotherm PD

About LEED & Products - www.usgbc.org
This declaration helps to assess products easily according to 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.
Above you find an explanation of the symbols. Detailed information are on the next pages.
<table>
<thead>
<tr>
<th>Detailed Rating</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>A4</th>
<th>A5</th>
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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 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),

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:

**Detailed Rating**

<table>
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<tr>
<th>No</th>
<th>Product Name</th>
<th>Manufacturer</th>
<th>Related Credit</th>
<th>Product Type</th>
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<td>puren GmbH</td>
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<td>The product is no adhesive, sealant, paint or coating.</td>
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</table>

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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**

<table>
<thead>
<tr>
<th>No</th>
<th>Product Name</th>
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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

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<th>No</th>
<th>Product Name</th>
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