# Living Product Challenge 1.1

**Armstrong World Industries**

**TECTUM® Ceiling and Wall Panels - Natural**

**Manufacturing Location:** Newark, OH, USA

---

<table>
<thead>
<tr>
<th>2/2</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>0/1</td>
<td>Water</td>
</tr>
<tr>
<td>0/1</td>
<td>Energy</td>
</tr>
<tr>
<td>1/2</td>
<td>Health</td>
</tr>
<tr>
<td>5/7</td>
<td>Materials</td>
</tr>
<tr>
<td>3/4</td>
<td>Equity</td>
</tr>
<tr>
<td>3/3</td>
<td>Beauty</td>
</tr>
</tbody>
</table>

**Imperative Certified**

14/20

**Petals Met:** Place, Beauty

---

**Carbon Impact**

- Magnesium Oxide
- Manufacturing Electricity
- Manufacturing Natural Gas
- Aspen Wood Transport
- Magnesium Sulfate
- Other

2.61 kg CO₂ Eq

**Energy Impact**

- Manufacturing Natural Gas
- Manufacturing Electricity
- Magnesium Oxide
- Aspen Wood Transport
- Magnesium Sulfate
- Other

1.94 kg Oil Eq

---

**Water Impact**

- Magnesium Oxide
- Magnesium Sulfate
- Manufacturing Electricity
- Manufacturing Water
- Aspen Wood Fiber
- Other

1,884 kg

---

**Waste Impact**

- Diverted
- Landfill

---

**Ingredients:** Wood Fiber: Aspen Wood Fiber; Binder: Magnesium Oxide, Sodium Silicate, Magnesium Sulfate, Calcium Carbonate, Silica, Aluminum Oxide, Calcium Oxide, Iron Oxide, Magnesium Carbonate, Urea.

---

**Verified By:** WAP Sustainability

**INTERNATIONAL LIVING FUTURE INSTITUTE®**

**ARM-LP001**

**EXP. 09/11/2021**

[living-future.org/lpc]