- Corporate Headquarters:
  Xxentria Technology Materials Company Ltd.
  No.411, Section 1, Zhongshan Road,
  Guanxi District, Tainan City 711, Taiwan
  Email: sales@xxentria-tech.com
  Tel: +886-6-2397257
  Fax:+886-6-2399198

- USA Office:
  Xxentria International, LLC
  3086 State Route 27, Unit 4
  Kenilworth, NJ 07033, USA
  Email: info@xxentria.com
  Tel: +1-732-951-8500
  Fax:+1-732-951-8500

- China Office:
  Xxentria (Shanghai)
  Room 2102, Building 11, Lane 803, Shangcheng
  Road, Baoshan District, Shanghai, China
  Email: gaojianwei@163.com
  Tel: +86-13916745565

- Mexico Office:
  SRC Opremex SA DE CV
  Cuauhtemoc 14-A, Col. San Mateo Xalpa
  Delegacion Xochimilco, Mexico, D.F., CP. 16800
  Email: oopremex@xxx.com
  Tel: +52-55-2156-5178

www.xxentria-tech.com
Leading Brand of the Industry

Xxentria’s composite panels are specifically designed for side wall and door panels of commercial dry-van truck and trailer bodies. They have revolutionized the transportation industry by reducing the overall weight of the truck and trailer body, subsequently enhancing fuel economy and reducing carbon emissions.

Following over a decade of extensive monitoring in the field as well as laboratory testing, clients using G-BOND and A-BOND composite panels attest that Xxentria’s panels are superior. Xxentria is the largest producer of metal composite panels in North America and is a leader in the transportation industry.

Efficient and Sustainable Materials

- Lightweight with high rigidity
- Highest standards of durability and safety
- Precoated materials with smooth finish
- Easy fabrication and installation
- Environmentally responsible, 100% recyclable
G-BOND Composite Panels utilize high-strength galvanized steel bonded to a high-density polyethylene core with protective coatings on both sides for extra weather resistance. G-BOND side wall and door panels have superior performance in truck and trailer bodies as well as decrease the need for rivets and subframes. G-BOND increases the internal space of trailer while maintaining high safety and durability standards through high impact resistant testing.

A-BOND

Xxentria is proud to introduce A-BOND Composite Panel, an innovative new product for the transportation industry. A-BOND uses high tensile aluminum laminated to a polyethylene core seamlessly. It shares the best-in-class features of G-BOND—superior flatness and weather resistance. In addition, A-BOND achieves 50% weight reduction in comparison to the conventional trailer body, decreasing fuel consumption and carbon emissions. A-BOND is designed specifically for trailers to be lightweight and spacious as well as impact resistant.

Technology

Coating Technology

Xxentria’s roll-to-roll continuous lacquering technology is capable of maximizing paint usage to ensure a uniform coating thickness. Xxentria provides various types of lacquers including PVDF, polyester, scratch-resistant coating, and more. Colors including metallic and non-metallic are available. Xxentria uses the latest IR heating system on its production line to dry paint immediately; ensuring color is consistent and maintains good gloss. All materials are weather resistant, and have perfect color retention. The annual production capacity reaches up to 35 million square meters.

Lamination Technology

With decades of experience and development, Xxentria utilizes its roll-to-roll continuous laminating technology to bond thin metal sheets on either side of a polyethylene core or fire-retardant core. Xxentria’s controls the precise pressure and temperature in order to create metal composite panels with a uniform foamed plastic core, superior flatness, and rigidity. Various metals are available as a composite panel and dimensions can be customized. The annual production capacity reaches up to 9 million square meters.
Applications

- Side Panel
- Interior Liner Roof/Floor Panel
- Roll-up Door Swing Door Panel
- Portable Box
Product Features

Standard Specifications

Overall Thickness 3 mm - 19 mm
Skin Thickness 0.25 mm - 0.50 mm
Maximum Width 1270 mm
Maximum Length 3200 mm (Lengths above 3200mm may be considered)
Standard Color Polar white (All other colors can be matched)

Composite Structure

- Primer+Polyester Finish
- Galvanized Steel / Aluminum
- Adhesive Film
- Foamed-Plastic Core
- Adhesive Film
- Galvanized Steel / Aluminum
- Primer+Polyester Finish

G-BOND Mechanical Properties

<table>
<thead>
<tr>
<th>Overall Thickness</th>
<th>Skin Thickness</th>
<th>Flexural Strength</th>
<th>Tensile Strength</th>
<th>Bonding Strength</th>
<th>Punch Resistance</th>
<th>Punch Force</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing Standard</td>
<td>ASTM D790</td>
<td>ASTM D638</td>
<td>ASTM D1781</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>mm</td>
<td>mm</td>
<td>psi</td>
<td>psi</td>
<td>in-lb/in (avg.)</td>
<td>lbs</td>
<td>lbs-in</td>
<td>kg/m²</td>
</tr>
<tr>
<td>3</td>
<td>0.25 / 0.25</td>
<td>28,380</td>
<td>18,597</td>
<td>&gt;50</td>
<td>432</td>
<td>142</td>
<td>5.55</td>
</tr>
<tr>
<td>4</td>
<td>0.30 / 0.30</td>
<td>30,870</td>
<td>15,915</td>
<td>&gt;50</td>
<td>826</td>
<td>345</td>
<td>6.94</td>
</tr>
<tr>
<td>6</td>
<td>0.30 / 0.30</td>
<td>20,712</td>
<td>9,757</td>
<td>&gt;50</td>
<td>1,138</td>
<td>391</td>
<td>8.34</td>
</tr>
<tr>
<td>6</td>
<td>0.40 / 0.40</td>
<td>22,557</td>
<td>10,774</td>
<td>&gt;50</td>
<td>1,342</td>
<td>371</td>
<td>9.72</td>
</tr>
<tr>
<td>8</td>
<td>0.40 / 0.40</td>
<td>14,705</td>
<td>10,241</td>
<td>&gt;50</td>
<td>1,705</td>
<td>533</td>
<td>10.98</td>
</tr>
<tr>
<td>8</td>
<td>0.50 / 0.50</td>
<td>15,755</td>
<td>13,651</td>
<td>&gt;50</td>
<td>1,800</td>
<td>500</td>
<td>12.36</td>
</tr>
</tbody>
</table>

Note: Mechanical properties and coating finish data can be provided upon request at the time of final application.

Assembly

G-BOND and A-BOND are simple to fabricate and install with punching, shearing, and bonding. Assembly maximizes time and labor efficiency. In addition, the reduction of rivets and subframes in the trailer body allows a clean, streamlined appearance. The following illustrations are the most common methods to join the composite panels for your reference.

Simple Joint

Riveted Joint
G-BOND and A-BOND's superior quality and consistency has earned recognition and trust from customers worldwide. There are over 0.8 million units of trailers on the road, occupying over 60% of the United States market. In addition, G-BOND has expanded further into Canada, Mexico, Europe, Central America, South America, and China.