There are over 50,000 structurally deficient bridges in the US, today. As our infrastructure ages, Engineers and DOTs across the nation are looking for smarter materials to rebuild our crumbling bridges and roadways.

Needed innovation will come from materials that will not corrode, enabling our infrastructure to last longer, with reduced maintenance and increased safety. Aslan 100 by Owens Corning is a stronger, more durable reinforcement solution compared to traditional steel rebar.

**ASLAN 100 – FIBERGLASS REBAR**

**Benefits**

- **STRONGER**
  2X the tensile strength compared to steel

- **MORE DURABLE**
  Impervious to corrosion, longer service life

- **LIGHTWEIGHT**
  75% lighter than steel: safer to install, labor and freight savings

- **COST COMPETITIVE**
  Competitive and consistent pricing

**Projects**

*Over 100 bridge decks installed with Fiberglass Rebar*

- Penobscot Bridge, Maine DOT
- Floodway Bridge, Manitoba
- Boone County Bridge, Missouri DOT
- Sierrita De La Cruz, TxDOT
- Brandon Bridge, Manitoba
- Emma Park Bridge, Utah DOT
Among the oldest bridges built to date with fiberglass rebar show zero signs of corrosion
Less than 0.1% of fiberglass rebar fibers were negatively affected by concrete environment after 15 years in service.

<table>
<thead>
<tr>
<th>MATERIAL PROPERTY</th>
<th>FIBERGLASS REBAR</th>
<th>STEEL REBAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (Psi) ASTM 7205</td>
<td>105,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Modulus Of Elasticity (Ksi) ASTM 7205</td>
<td>6700</td>
<td>29,000</td>
</tr>
<tr>
<td>Weight (Lb/Lf)</td>
<td>0.287</td>
<td>1.043</td>
</tr>
</tbody>
</table>

Data contained above is considered to be representative of current ASLAN 100 production and is believed to be reliable and represent the best available characterization of the product as of July 2011. Tensile test per ASTM D7205

This information and data contained herein is offered solely as a guide in the selection of reinforcement. Rating contained in this publication is based on actual laboratory data, field test experience and observation of overall market use. We believe this information to be reliable, but do not guarantee its applicability to the user’s process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation. Owens Corning reserves the right to modify this document without prior notice.

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