SUPERIOR CORROSION PROTECTION

KCH is proud to present POLYSTRONG®, the latest innovation in corrosion-resistant thermoplastic coatings and structural materials, which has been subjected to rigorous lab testing to meet specific NSF Drinking Water Standards. Combining outstanding structural integrity and a superior corrosion barrier, POLYSTRONG® is ideal for even the most demanding designs and applications for outdoor usage.

APPLICATIONS

- Degasifiers and Aerators Used for Municipal Water Treatment Plants Requiring NSF/ANSI 61-G Drinking Water System Components Certification
- High-Static Pressure Ventilation Systems
- Chemical Storage Tanks
- Chemical Scrubbers
- Biotrickling Filters
- Fans
- Physical Adsorption System
POLYSTRONG® MATERIAL

PRODUCT INFORMATION

POLYSTRONG® is a multi-layer vessel material, chemically bonded through spray chop FRP technology. It is capable of withstanding temperatures up to 140°F and wind loads of 150 MPH.

COMPARE WITH OTHER LAMINATES

POLYSTRONG® provides a combination of quality corrosion-, bacteria-, wicking- and UV-resistance over and above standard FRP laminates as shown below in this comparison:

<table>
<thead>
<tr>
<th></th>
<th>POLYSTRONG®</th>
<th>Other Laminates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Quality</td>
<td>Homogeneous thermoplastic liner material maintains exacting standards.</td>
<td>Depends on filament winder or chopper gun operator adjusting the resin, catalyst and glass content.</td>
</tr>
<tr>
<td>Standard Corrosion Barrier</td>
<td>187 mils (up to 500 mils)</td>
<td>100 mils</td>
</tr>
<tr>
<td>Ultraviolet Resistance</td>
<td>Blocks 100% of UV rays, preventing bacteria growth in degasifiers or aerators</td>
<td>FRP laminates with gel coats don’t block 100% UV rays, requiring additional cleaning and maintenance.</td>
</tr>
<tr>
<td>Subject to Wicking</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Internal Blistering</td>
<td>No</td>
<td>Possible based on poor fabrication techniques and resin materials</td>
</tr>
<tr>
<td>Pin hole Porosity</td>
<td>Minimal to None since substrate is homogeneous smooth material.</td>
<td>Can be common based on fabricator experience and quality control.</td>
</tr>
</tbody>
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