Description
Syntho-Support™ has been specifically designed to be a superior wrapping system for pipe support areas to prevent future corrosion and abrasion due to crevice corrosion, galvanic corrosion, heat affected zone corrosion, and vibration abrasion. This system, when used with a corrosion coating of your choice, provides exceptional mechanical and impact protection on steel (CS & SS), galvanized, concrete, FRP, iron, PVC, wood. Syntho-Support can be used underwater, underground or above ground pipes and piles. Syntho-Support is used for corrosion/abrasion prevention only and is not intended for the repair of integrity damage.

Mechanical Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact Resistance</td>
<td>ASTM G14/G62</td>
<td>123 ft. lb. (167 J)</td>
</tr>
<tr>
<td>Hardness, Shore D</td>
<td>ASTM D2240</td>
<td>76</td>
</tr>
<tr>
<td>Inter-laminar Shear Strength</td>
<td>ASTM D2919</td>
<td>2,840 psi (195 bar)</td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion</td>
<td>ASTM D648</td>
<td>1.06x10⁻⁵ in/in/°F (1.91x10⁻⁵ mm/mm/°C)</td>
</tr>
</tbody>
</table>

Syntho-Support System Components

<table>
<thead>
<tr>
<th>Max Service Temp</th>
<th>Syntho-SubSea™LV</th>
<th>Wrapid-Bond™</th>
<th>Petrolatum Tape</th>
</tr>
</thead>
<tbody>
<tr>
<td>275°F (135°C)</td>
<td>167°F (75°C)</td>
<td>158°F (70°C)</td>
<td></td>
</tr>
</tbody>
</table>

Description
- Two part, 100% solid epoxy
- High bond strength, durable
- Application under water
- Visco-elastic polymer
- Self-healing
- Never gets brittle
- Will stick to any surface
- Time-tested, proven corrosion resistance
- Remains pliable
- Does not dry out
- Application under water

Benefits
- Prevents corrosion
- Impact/Abrasion resistance
- Easy to apply
- No mixing, no measuring ensures consistent glass to resin ratio, therefore consistent results
- Can be applied in any weather condition, even underwater
- Contains no solvents

Physical Properties

VOCs: None
Working Time: 30 Minutes @ 75°F (24°C)
Initial Cure Time: 2 Hours
Resin Type: Water-activated polyurethane
Resin Application: Pre-impregnated
Service Temperature:
-50° to 250°F (-46° to 121°C)
Application Temperature:
32° to 150°F (-18° to 65°C)
Shelf Life: 24 months

For full corrosion protection system qualities, please see the individual datasheets.

©Neptune Research Inc. (NRI) NRI® is a registered trademark, while Syntho-Support™ and Syntho-Subsea™LV are trademarks of NRI. Wrapid Bond™ is a trademark of Canusa-CPS, a division of ShawCor Ltd. NRI utilizes a process of continuous product improvement for all of our products. While we strictly adhere to our products’ specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement. SSUP DS 0711

NEPTUNERESEARCH.COM 1346 S. KILLIAN DRIVE • LAKE PARK, FL 33403 USA • 561.683.6992