TenCoat™ Marine Deep
The best of polypropylene with the advantages of rubber

TenCoat™ Marine Deep is a high performance polypropylene blend based on a coating system engineered for flow assurance.

SYSTEM DESCRIPTION

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>RESULT ACHIEVED WITH TENCOAT™ MARINE DEEP</th>
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</thead>
<tbody>
<tr>
<td>Minimum pipe diameter</td>
<td>100mm (4”)</td>
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<tr>
<td>Maximum pipe diameter</td>
<td>900mm (35”)</td>
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<tr>
<td>Maximum operative</td>
<td>140 °C (285°F) as defined by ISO 12736</td>
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<tr>
<td>thermal conductivity</td>
<td>0.145 W/(m∙K) (0.083 BTU/h∙ft∙°F)</td>
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<tr>
<td>Specific heat capacity</td>
<td>1700 - 2800 J/(kg K) (0.40 - 0.67 [BTU/lb∙°F])</td>
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<tr>
<td>Water depth</td>
<td>Unlimited</td>
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The system is comprised by layers of single components (no inline mixing of materials as in the case of glass microsphere based layer) leading to reliable and repeatable industrial application process with excellent control, consistency and quality of the material’s property.

UNMATCHED THERMAL PERFORMANCES FOR INSULATION AND HEAT RETENTION IN AN EXTENDED TEMPERATURE RANGE

- Lower thermal conductivity in the market for solid materials
- Lower coating thickness
- Potential savings in transportation and installation costs
- Potential reduction in FJC cycle time
- Higher density
- Combined with lower coating thicknesses required, guarantees seabed stability
- Specific heat characteristic typical of polypropylene
- Extended cool-down time
- Full solid material ensures
- Stability of thermal properties in time
- Unlimited depth installation

FIELD JOINT

TenCoat™ Marine Deep is compatible with all systems developed for polypropylene based thermal insulation systems.
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