

## A novel solution for deepwater insulation

DeepGel is a novel, deep water insulator developed by Aubin. DeepGel is an enabling technology that offers new engineering solutions for deep water flow assurance.

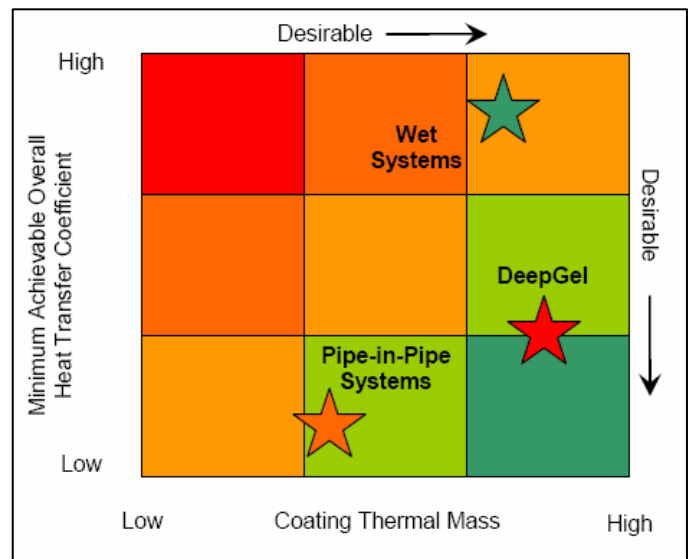
Binary system.  
Gel can re-heal.  
Suitable for complex arrangements.  
Accommodates changes in design.  
Can be tailored to give different thermal properties.  
Environmentally acceptable and safe to use.

### Properties



Material Property	Test Method	Typical Properties
Thermal conductivity	ASTM D 5930-01 or equivalent	0.12 – 0.14 W / m K
Specific heat Capacity	ASTM C351, E1269 DSC techniques	2000 – 2500 J/Kg K
Density	ASTM D792, D1505, D1622, ISO 1183, 1183-3	790 kg / M <sup>3</sup>

### Performance Comparisons



Insulation of subsea components: connectors, risers, bundles, pipe-in-pipe, etc.  
In situ insulation installation by ROV.  
Subsea Retrofit insulation solution.

### Applications