



## Interline<sup>®</sup>9001

**Simonsen simplifies its operations with Interline<sup>®</sup>9001**

M.H. Simonsen was the first company to apply International's latest high performance tank coating Interline<sup>®</sup>9001 to all chemical tanks of a vessel, the 'Oradana'. Twenty months and many aggressive cargoes later, the coating is still in pristine condition.

Since application in September 2011, the vessel has carried a vast range of chemicals, including the extremely aggressive calcium lignosulphonate. Carried at 80°C, this cargo has long been a cause of failure for traditional coatings like phenolic epoxies and zinc silicates, rapidly leading to steel degradation. Meeting this challenge, together with the need for easy cleaning and transition between difficult to clean cargoes such as lecithin and fatty acids, is critical to Simonsen's mission.

Allan Skovlund Nielsen, Simonsen's Technical Manager, commented, "Our trademark is top quality tanks for refiners and Interline<sup>®</sup>9001 has not let us down. As a result of using this product, we are able to trade aggressive chemicals, and the time to clean to cargo surveyors' satisfaction has been significantly reduced versus traditional coatings. Calcium lignosulphonate is a key cargo for us and we can't carry this in phenolic or zinc tanks. Lecithin and fatty acids historically caused us many cleaning headaches but this process is made much simpler with the use of Interline<sup>®</sup>9001."

In twenty months of service Interline<sup>®</sup>9001 has also enabled the smooth transition between many other high temperature and difficult to clean cargoes on the 'Oradana', including fish oils, molasses, vinasses, crude rapeseed oil, urea ammonium nitrate, palm olein and fertilisers. Thanks to its bimodal epoxy technology, the coating offers extended chemical resistance over phenolic epoxy coatings, whilst significantly reducing cleaning time and costs through low absorption of chemicals and a glossy, smooth surface.

"We're extremely excited about this new technology and there is vast market interest", said Andy Hopkinson, International's Business Development Manager. "Cleaning is a big issue in today's market with standards becoming tougher and methanol washing - which was historically the most effective tank cleaning method - being largely banned. Interline<sup>®</sup>9001 has been independently proven to reduce cleaning times by up to 70%, making a big impact on the bottom line for owners and charterers. It also has extended chemical resistance, allowing owners like Simonsen

to carry aggressive materials and remove recovery periods in addition to maintaining the cleaning benefit of the system. We are delighted that Simonsen is getting the performance it requires as it was the first innovator to apply this coating to all tanks of a vessel."

**Interested in finding out how your company could benefit from using Interline<sup>®</sup>9001?**

**Call:**  
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**Send an email:**  
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**Visit our website:**  
[www.international-marine.com/interline9001](http://www.international-marine.com/interline9001)

# Interline<sup>®</sup>9001

## Two pack, bimodal epoxy, cargo tank coating

Featuring new, bimodal epoxy technology, Interline<sup>®</sup>9001 is the next generation in chemical tank coatings. With enhanced cargo resistance, zero absorption for many cargoes and fewer cycling restrictions, it simplifies the carriage of a wide variety of liquid cargoes, optimising vessel earning potential.

### 60% fewer cargo restrictions

Interline<sup>®</sup>9001 can carry all of the cargoes possible with a standard epoxy phenolic, plus a further 25% of the large volume cargoes that it cannot and has over 60% fewer cycling restrictions, opening up new (previously restricted) cargo sequences for the carriage of aggressive cargoes. For example, our customers can carry methanol to ethylene dichloride (EDC) to acetone back to back, with no coating recovery required – representing a smarter solution to maximising profitability.

### Up to 70% reduction in cleaning time and materials

Costs of on board cleaning are significant. Bunkers for hot water could mean a tank cleaning operation alone adding over \$100,000 to operating expenses for one full vessel clean and this doesn't take into account manpower or costs of cleaning materials. Interline<sup>®</sup>9001's

smooth, glossy surface reduces cleaning requirements and delivers a corresponding reduction in fuel and CO<sub>2</sub> emissions, enhancing your environmental profile.

### Zero absorption across many cargoes

The product's low cargo absorption profile reduces the risk of contamination between cargoes, delivering greater operational efficiency and flexibility.

Interline<sup>®</sup>9001 is the result of working very closely with customers to fully understand their needs whilst engaging cutting edge research in our dedicated tank lining laboratory. Our detailed knowledge of the most aggressive cargoes, together with our experience in tank coating application, allows us to offer a new product that maximises both operational and environmental efficiency in an increasingly challenging market.

To find out more visit our website:

[www.international-marine.com/interline9001](http://www.international-marine.com/interline9001)

