

Stena Traveller – Energy Retention

Company name: Stena Line BV
Vessel: M/V Stena Traveller
Coating: Mascoat Marine-DTM
Applicator: Repair Management
Thickness: 80 mils (2.0 mm)
Reason for application: Energy retention

Like most large vessels, the *Stena Traveller* has an HFO (Heavy Fuel Oil) tank onboard. To ensure proper viscosity, the oil inside is kept between 167°F and 194°F (75°C and 90°C) to keep the oil pumpable. To ensure the oil stayed at temperature and to conserve energy, the company wanted a marine-grade insulation installed.



The owner of the vessel called in Mascoat to test its thermal insulating coating, Marine-DTM, on the tank. During this time, Mascoat also produced a thermal engineering study to test how effective the coating would be. Based on the preliminary results, the owner thought Mascoat would have the best solution for them based on return on investment figures.

According to Mascoat's engineer, it was determined that 80–100 mils (2.0-2.5 mm) would be the most cost-efficient application. The coating was applied by Repair Management in 20 mil (0.5 mm) coats over a period of 3 days. With the successful application, the tank was put back into service. The client reported a return on investment, based on steam usage, within 6 months.