

Press release

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Hempel coats innovative new luxury cruise ship *Silver Muse* from head to toe

Luxury cruise line owner and operator Silversea has appointed leading coatings supplier Hempel to deliver innovative coating solutions for its newbuild 40,700 GT cruise ship *Silver Muse*. Alongside top quality performance, it was vital for Silversea's that its coatings delivered fuel savings and minimised maintenance costs.

Silver Muse was built at the Fincantieri shipyard in Genoa Sestri Ponente and delivered on Monday 3 April.

Silversea was impressed with Hempel's understanding of the highly competitive cruise industry and the increasing pressure to improve operational efficiency whilst complying with strict environmental regulations. This led the company to select Hempel's advanced fouling defence coating Hempaguard X7 to protect the hull of its new vessel.

Hempaguard X7 uses an advanced combination of hydrogel-silicone and an efficient fouling preventing biocide in a single coat. This technology releases 95 per cent less biocide than traditional antifoulings delivering enhanced environmental performance. A significant six per cent fuel saving compared with best-in-class antifoulings over the entire docking interval maximises operational efficiency. The effectiveness of Hempaguard X7 over an extended docking interval of up to 90 months helps minimise maintenance costs.

Kim Scheibel, Group Director, Marine/Container, New Building, Hempel A/S commented:

"*Silver Muse* will be trading mainly in the warm waters of the Mediterranean which tend to encourage fouling. Cruise ships operate unique trading patterns which involve a combination of slow and fast steaming as well as regular periods alongside. An effective hull coating must be trusted to deliver flexible protection. Hempaguard provides proven outstanding resistance to fouling during idle periods of up to 120 days and retains its effectiveness at all passage speeds."

Roberto Martinoli, CEO of Silversea said:

"At Silversea we are fully committed to operating in the most efficient way and with minimal impact on the marine environment. Hempaguard not only promises to deliver impressive fuel savings which will help us contain our costs, but it also will incredibly help us to reduce CO₂ emissions. We are honoured that *Silver Muse* was awarded the RINA GREEN PLUS voluntary notation, which is based on an environmental performance index that covers all aspects of the vessel's impact on the environment, including carbon emissions."

Application of the entire coating system on the hull took just four days. Other products applied to the *Silver Muse* include Hemptane TC 55210 (a two-component glossy acrylic polyurethane coating) for the topsides and external areas, Hemptane Quattro 17634 (a two-component universal epoxy IMO PSPC compliant coating) for the ballast tanks, Hemptane 35560 (solvent-free two-component high-build polyamine adduct cured epoxy coating) for the potable water tanks

and Hempadur 85671 (a two-component amine adduct cured phenolic epoxy (novolac) coating) for the grey water tanks.

Hempel continuously invests in R&D to deliver more robust, flexible and trusted products to its customers.

Hempaguard X7 at a glance:

- Six per cent fuel savings compared with best-in-class antifoulings over the entire docking interval
- Excellent fouling resistance for idle periods of up to 120 days
- 95 per cent less biocide than traditional antifoulings
- Vessels complying with a full Hempaguard X7 specification are offered a performance satisfaction guarantee

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About Hempel

Since 1915 Hempel has been a world-leading coatings specialist, providing protection and inspiration to the world around us. Today we have over 5,500 people in 80 countries delivering trusted solutions in the protective, decorative, marine, container, industrial and yacht markets. This includes many recognised brands like Crown Paints, Schaeppman and Jones-Blair.

Hempel is proudly owned by the Hempel Foundation, which supports cultural, humanitarian and scientific causes across the world.

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