

Danser van Gent Shipping, Delfzijl, The Netherlands

Customer	Danser van Gent Shipping
Location	Delfzijl, The Netherlands
Challenge	A durable, abrasion-resistant topcoat for the top sides of the vessel with a long-lasting performance under different operational conditions.
Solution	PPG PSX 700 polysiloxane topcoat
Benefits	Easy maintenance, fewer maintenance periods and less downtime.
Result	A sustainable, long-term solution, reduced maintenance costs, extended service intervals and a perfect representative vessel with optimal corrosion resistance, long-term gloss and excellent color retention.



The Customer

Danser van Gent is a family-owned business based in Delfzijl, The Netherlands. The name Danser van Gent is a fusion of two names, Rita van Gent and Henk Danser; both have their roots in the marine business and belong to families that have been active in the marine business for more than eleven generations.

Henk and Rita Danser van Gent had five children who have been an important inspiration for continuing and growing the family business and in building new bigger vessels. All the children have sailed on the five vessels of Danser van Gent.

Currently, Danser van Gent Shipping has five vessels: the Marietje Andrea; Marietje Marsilla; Marietje Deborah; Annika Benita; and their latest asset, the Marietje Nora. The names of the vessels are derived from the names of Rita (Marietje), the daughters and daughters-in-law.

The Challenge

For the Marietje Nora (named after their granddaughter Nora) Danser van Gent were looking for a more durable and robust coating system. According to the families' philosophy, the vessels should always represent the company with a smart appearance and be in pristine condition. This is one point that distinguishes this shipping company from their competitors.

Another reason is that it becomes more and more difficult to spot repair damages in the ports because of stricter rules

and legislation. This is why there is a need for a durable, long-term coating solution that requires less maintenance

The Solution

PPG Protective & Marine Coatings (PPG) proposed the PSX 700 system to meet all the customer's criteria. Since its introduction in 2003, the PSX 700 system has been widely acclaimed by customers for its long-term durability and outstanding performance in harsh conditions.

The PSX 700 polysiloxane topcoat was applied to the topsides. This ultra-high solids, VOC-compliant product provides optimal corrosion- and abrasion-resistance along with long-term gloss and excellent color retention. The PSX 700 coating is also highly resistant to stains and dirt accumulation.



The Benefits

PPG's PSX 700 polysiloxane-epoxy coating delivers dramatic, proven cost savings, unsurpassed performance and meets the most stringent VOC regulations. Use one coat of PSX 700 product to replace a conventional epoxy/polyurethane topcoat system or use the PSX 700 coating over a zinc primer to replace a conventional three-coat zinc primer, epoxy, conventional polyurethane system. Either way, the PSX 700 system guarantees significant cost savings.

PSX700 benefits:

- Less frequent repainting – due to greatly extended service life
- Shorter application time – less layers to apply reducing ship downtime at maintenance
- Reduced hazardous waste management costs – extremely low-volatile, organic compound content easily satisfies stringent environmental and health and safety requirements, and cuts disposal costs (fewer cans to discard)
- Quick and easy application – using airless or conventional spray, brush or roller
- Shorter downtime – cures at room temperature and will be touch-dry in two hours at 21°C (70°F)

The Result

The first Special Survey on the Kristin C (after 5 years in service) showed the outstanding condition of all areas inspected. The water ballast tanks had been extensively used during the 5 years in service as is to be expected for these busy workhorses of the sea.

Despite layers of slime and muddy deposits on all immersed surfaces, the underlying coating condition on all areas inspected was proven to be very good and no remedial treatment was required. This is a tribute both to the coating system and to the application and inspection protocols followed by the dedicated teams of the shipowner, shipyard and paint supplier.

Martin Henry, Fleet Technical Director said, "We are delighted with the excellent condition of the water ballast tanks after 5 years and also the excellent service and technical support provided by PPG throughout the project."

The SIGMACOVER 380 coating delivers the ultimate solution for customers who need ease of use, durability and outstanding anticorrosive protection.