



Protect your assets



CASE STUDY

Inland tanker - Schloss Babelsberg

Stop corrosion. Without blasting.



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Inland tanker - Schloss Babelsberg

Project description and reference - Roland Schuiten, GEFO Shipping Group



Passivation of the blasted hull

In November 2020, the hull was blasted and subsequently rolled in and coated with nC Corrosion Passivator 2-in-1. Afterwards, the standard Hempel paint system was applied to the hull. During inspection in 2025, it appears that the hull has suffered much less to virtually no pitting corrosion. Especially at the waterline and near the welded draught marks, no or very little corrosion is visible. The usual wear areas on the hull show less corrosion. The overall appearance of the hull is still very decent after 5 years.

The conclusion is that the product still performs well after 5 years and that the wish to maintain a better overall appearance without intermediate maintenance is fulfilled. Also, stopping and preventing pitting corrosion on the hull helps preserve the required steel thicknesses.

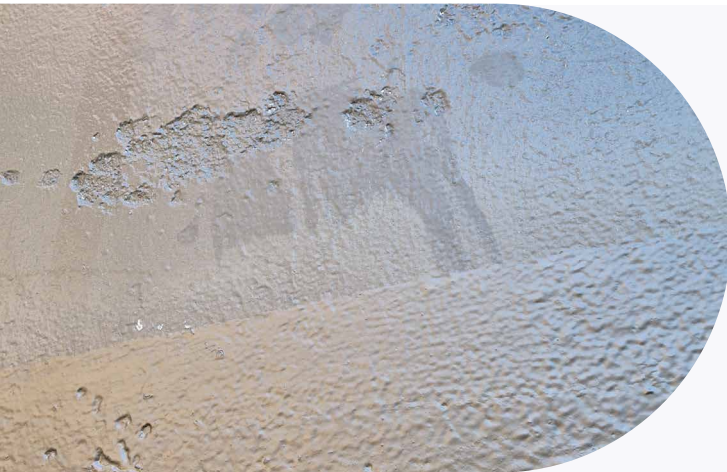
Roland Schuiten
GEFO Shipping Group

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Passivation of the blasted hull



November 2025 - The hull of the Schloss Babelsberg was blasted on 4 November 2020 and completely stripped of coating. All areas that showed pitting, as well as the draught marks and the welds at the waterline,

were subsequently rolled or brushed with nC Corrosion Passivator Primer 2-in-1.

This close-up photo was taken on 26 November 2025 and shows pit rust that was treated 5 years ago, in November 2020, with nC Corrosion Passivator Primer 2-in-1. After blasting, this corrosion was also chipped away. This means that rust particles were forced into the steel, after which these particles usually cause new corrosion and allow the pitting to “eat through”, causing the steel to become progressively thinner due to corrosion loss. nC Corrosion Passivator Primer 2-in-1 visibly prevents this.

November 2025 - nC Corrosion Passivator Primer 2-in-1 is developed to passivate corrosion and serve as an excellent tie-coat for further coating systems. It prevents recurring rust by chemically stabilizing the substrate (passivation) and forming a protective layer beneath the coating system. The Primer 2-in-1 can be overcoated with standard 1- and 2-component coating systems.

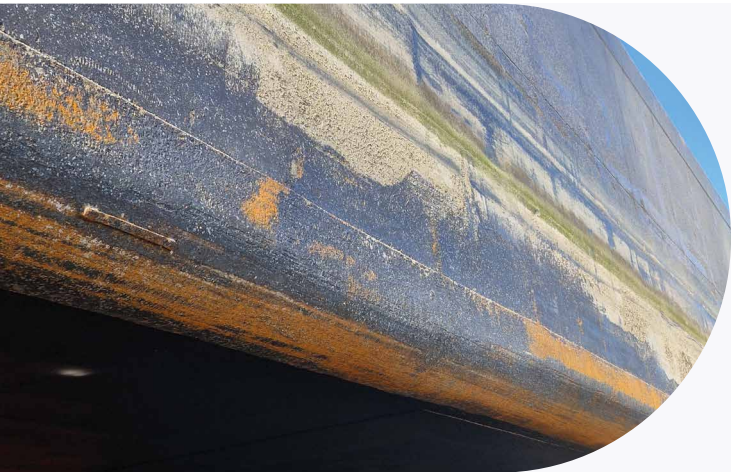


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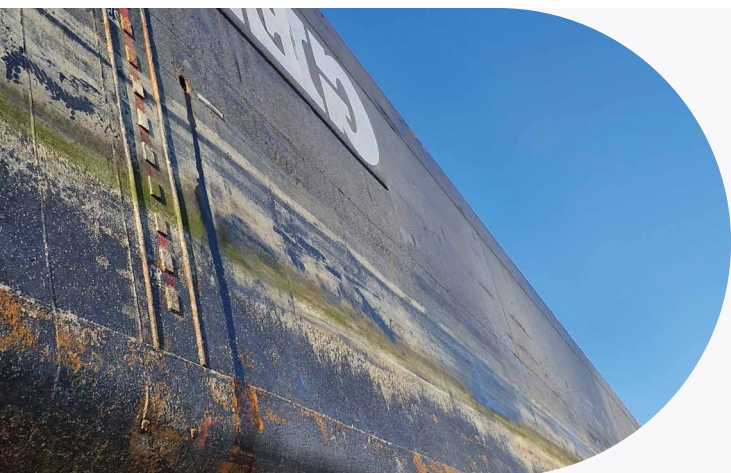
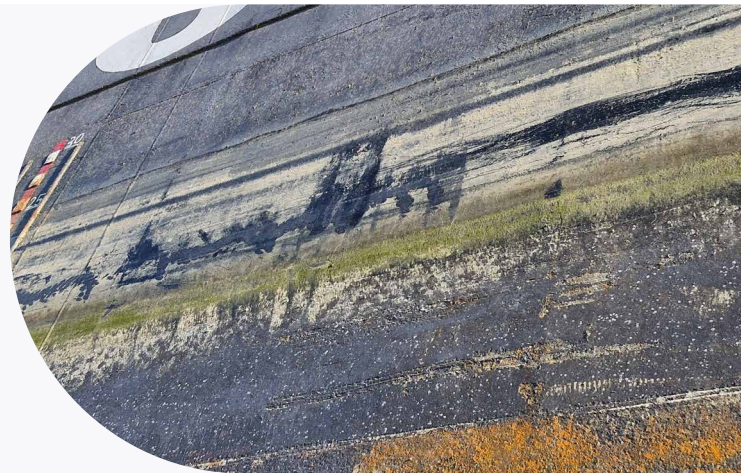


Passivation of the blasted hull



November 2025 - The hull of the Schloss Babelsberg one day after the vessel went dry. The bilges show flash rust (not unusual in this location). It is also clearly visible that the hull itself shows no rust on the waterline and on the areas previously treated with nC Corrosion Passivator Primer 2-in-1 where pitting corrosion had been present.

November 2025 - The waterline was treated on 4 November 2020 with nC Corrosion Passivator Primer 2-in-1. As of 26 November 2025, the hull still shows no corrosion.



November 2025 - After five years, the draught marks have not been eaten in and show hardly any rust traces. These marks were re-welded in November 2020.

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Hull without treatment with
nC Corrosion Passivator Primer 2-in-1

For comparison - Two photos are shown of a hull of the same vessel type from the GEFO fleet, without treatment with the nC Corrosion Passivator Primer 2-in-1.

