

Project Experience

Wagenborg S Class RoRo Vessels



project information

vessels	M/S Slingeberg, Spaarneborg, Schieborg
owner	Wagenborg
project	Major refurbishment
painting contractor	Shipyard
date of project	2004-2007

systems and substrates

Decks

pretreatment	WJ 2 L or Sa 2.5
3 coat system	MCU-Miozinc 75µm DFT MCU-Prepbond HS 50µm DFT +non skid MCU-Prepbond HS 50µm DFT

During the new building of MV Slingeberg at Flenderwerf Lubeck deck nr. 3 was pre-treated and coated with a system of Leigh paints. From the early beginning the paint system on all vessels gave problems which was shown in detachment of the entire deck system and corrosion followed. The owner decided that the system had to be removed because the manager Cobelfret needs a strong coating and even more important non skid and low friction for the cargo. The system on the MV Slingeberg showed that much detachment and corrosion that action has to be undertaken. The following paint manufactures presented there system(s): Ceram-Kote with an SPG PH system at >2200µm DFT; Hesselberg with a three coat solvent free system at >1800µm DFT; Sigma Coatings with a one coat solvent free anti abrasive coating with a solvent based epoxy on top to seal off the aluminium oxide non skid at >700 to a 1000µm DFT and MCU-Coatings with a two three coat systems based on single pack moisture urethanes at 150µm DFT. The three vessels are loading special CQ containers every 2 days for Stora Enso with a paper load up to 80 tons on custom trailers with steel wheels. The mechanical impact and abrasion is the worst imaginable. After 3 months of testing, MCU's was the only intact system. Now, three years later, the MCU system is still in perfect condition. All three vessels were protected using the MCU system. The owner was also very pleased saving money on the paint system and the surface preparation. MCMiozinc does not require heavy profile and tolerates medium flash rusting so UHP Waterjetting was an option as surface prep. The MCU system was also by far the cheapest in product cost.