

MARINE TUGBOAT PROJECT FOR PSA – JULY 05

Project Name : Port of Singapore Authority – Tugboats
Location : Singapore

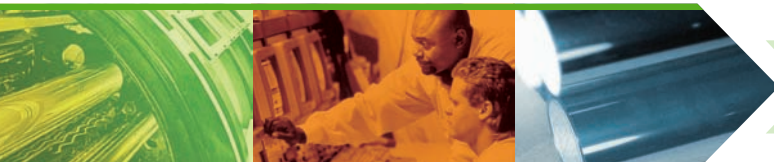


Under the scorching temperatures of Egypt's daytime weather, Hüper Optik Ceramic 40 (C40) was the perfect answer to Port of Singapore Authority's (PSA) new fleet of Z-Tech tugboats headed for the Middle East. A study of the C40's effectiveness on the tugboat was carried out in Singapore over a period of 3 weeks.

Readings of Solar Radiation transmitted through the boat's glass panels and the cabin's temperatures were measured before and after C40 film was applied. The average reduction of solar radiation achieved from installing C40 film was about 58.6% while temperature differences even with the air-conditioning turned on throughout the whole day still displayed a drop of 2 degree Celsius after the film was put onto the glass panels.

The empirical evidence was sufficient proof to back Hüper Optik's assurance that C40 would be able to significantly reduce solar radiation transmitted and temperature within its cabin, thus resulting in intangible as well as tangible benefits. While the cabin crew would enjoy greater comfort working in the open sea on a hot day, energy and financial savings would result if the air-conditioning system is programmed to run on a thermostat.

PSA was undoubtedly pleased with the results collected and is the latest addition to our ever-growing list of satisfied customers.



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Meister keramische Technologie