

CASE STUDY

HÜPER OPTIK® CERAMIC 40

CLEAR SOLUTION FOR FUEL AND ENERGY EFFICIENCY IN SALT WATER ENVIRONMENTS



"Hüper Optik® allowed crews to see in and out, during the daytime and at night."

Task:

The fit-out of one vessel was completed in a day but the team was daunted with several challenges due to the uncertain scheduling and availability of the remaining vessels docking in port and the stringent inspection of the US Coast Guard engineers. The Hüper Optik® team was able to respond proactively to meet internal timelines.

Solution:

When the US Coast Guard wanted to attain optimum optical clarity and protect its valuable state-of-art on board navigational and communications systems against the sun's damaging ultra-violet rays, Hüper Optik® nanoceramic solar control films became the natural solution. Unlike metal, dyed or powder-coated films, Hüper Ceramic films do not

succumb to demetallisation or fading readily in the high salt content environment while providing the maximum heat rejection. Upon the completion of the initial site survey and customer needs analysis conducted by an experienced Hüper Optik® USA team, Hüper Ceramic 40 was recommended.

Result:

The hard work of our installation team paid off – the inspection team was pleased with the end results and the US Coast Guard's 50-foot cutter vessels were protected from the excessive glare and the harmful solar rays that cause fading to interior fixtures and fittings. With these superior performance films, the vessels' crew could enjoy a cool and comfortable interior, while maintaining a clear view for navigation.



Performance data is based on this film being applied to the inside of 3mm clear glass. All data calculated using the definitions and equations in ISO9050 & ASHARE Handbook. The data is subject to variations within industry standards. Copyright © 2008 Hüper Optik® USA (www.huperoptikusa.com), 17356 Northwest Frwy, Houston, TX 77040; phone: 888.296.3456; fax: 832.467.1190



Meister Keramische Technologie