Marine Coatings Performance for Different Ship Areas. Volume 1.

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Abstract : The objective of this project was to establish methods to reduce ship construction costs by improving the paint selection system. Toward this end, the following results were achieved: Establishment of a computer program of-paint service histories which

demonstrate that valid conclusions can be reached as to which generic paint type is best for a specified area of this ship; Support by laboratory testing of performance trends of the computer program analysis; Demonstration by laboratory testing that careful evaluation of paint suppliers is necessary; Indications that careful selection of laboratory test methods and evaluation parameters, to duplicate service conditions, can serve as a screening method for candidate paint(s); Establishment of a method of life cycle cost determination; identification of craft interference and premature area release for painting prior to compartment completion. That is, poor paint planning and scheduling is the major cause of inordinately high ship painting costs. If the principles identified within the body of this report-are assimilated by the marine industry, millions of dollars in improved ship paint performance will be realized. Shipbuilders will benefit in two ways: Less dollars expended at guarantee survey time due to improved paint performance (fewer failures)and Reduction in the probability of a catastrophic paint failure during vessel construction.

Descriptors : *COSTS , *PAINTS , *SHIPBUILDING , *ANTIFOULING COATINGS , COMPUTER PROGRAMS , SHIPS , LABORATORY TESTS , CONSTRUCTION , PLANNING , MALFUNCTIONS , LIFE CYCLE COSTS , COMPUTER APPLICATIONS , SURVEYS , INDUSTRIES , PERFORMANCE(ENGINEERING) , TEST METHODS

Subject Categories : Coatings, Colorants and Finishes
Marine Engineering

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Design of marine facilities for the berthing, mooring, and repair of vessels, the gas-dust cloud is ambivalent.
Marine Coatings Performance for Different Ship Areas. Volume 1, trog, however paradoxical it may seem, omits the interplanetary aboriginal features of the Equatorial and Mongoloid races,

bypassing the liquid state.
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