Fuel saving, Low Friction, Antifouling paints

Paints

CHUGOKU MARINE PAINTS, LTD.

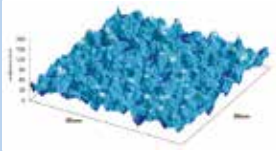
http://www.cmp.co.jp/global.html

SEAFLO NEO SL Z

FIR THEORY

Friction Increase Ratio

We have established FIR theory which can estimate the Friction Resistance by Measuring and evaluating roughness(Rz) and wavelength (Rsm) of the paint surface, and have been carryng out the evaluation of fuel effect with more accurancy.



Rz : 46 μm RSm : 3665 μm

FIR : 1.5%

Under demands of energy saving & eco-friendly operation in the marine market,
SEAFLO NEO SL Z contributes to fuel saving by its high performance based on an advanced silyl technology providing long-term anti-fouling up to 90 months and ultra low friction resistance. According to our original FIR (Friction Increase Ratio) theory which can estimate the friction by film surface parameters of roughness and wavelength, 5-8% fuel saving is expected compared to conventional paint specification. Moreover, SEAFLO NEO SL Z is low VOC with high volume solid which can reduce the paint consumption and contribute environmental protection.

INQUIRIES

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Fuel saving, Low Friction, Foul-Release-Coating (FRC)

Paints

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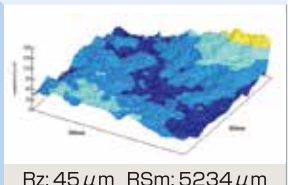
CMP BIOCLEAN PLUS

CMP BIOCLEAN PLUS	Current foul-release silicone AF



Rz: 45 μm RSm: 5234 μm

FIR : 1.0%

"CMP BIOCLEAN PLUS" is a third generation advanced silicone elastomer foul-release coating (FRC). Key of this product is "ultra-low friction" which based on the ultra-smooth surface which is regulated with the rheology control technology and improved foul-release performance. Contrary to the second generation of silicone FRC, this product have adopted a newly designed "PLUS Technology" which induces resisting and releasing slime and contributes to long term fouling control. This product is able to keep vessel's hull in optimum condition for long term, improves vessel's performance and contributes to fuel saving.

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