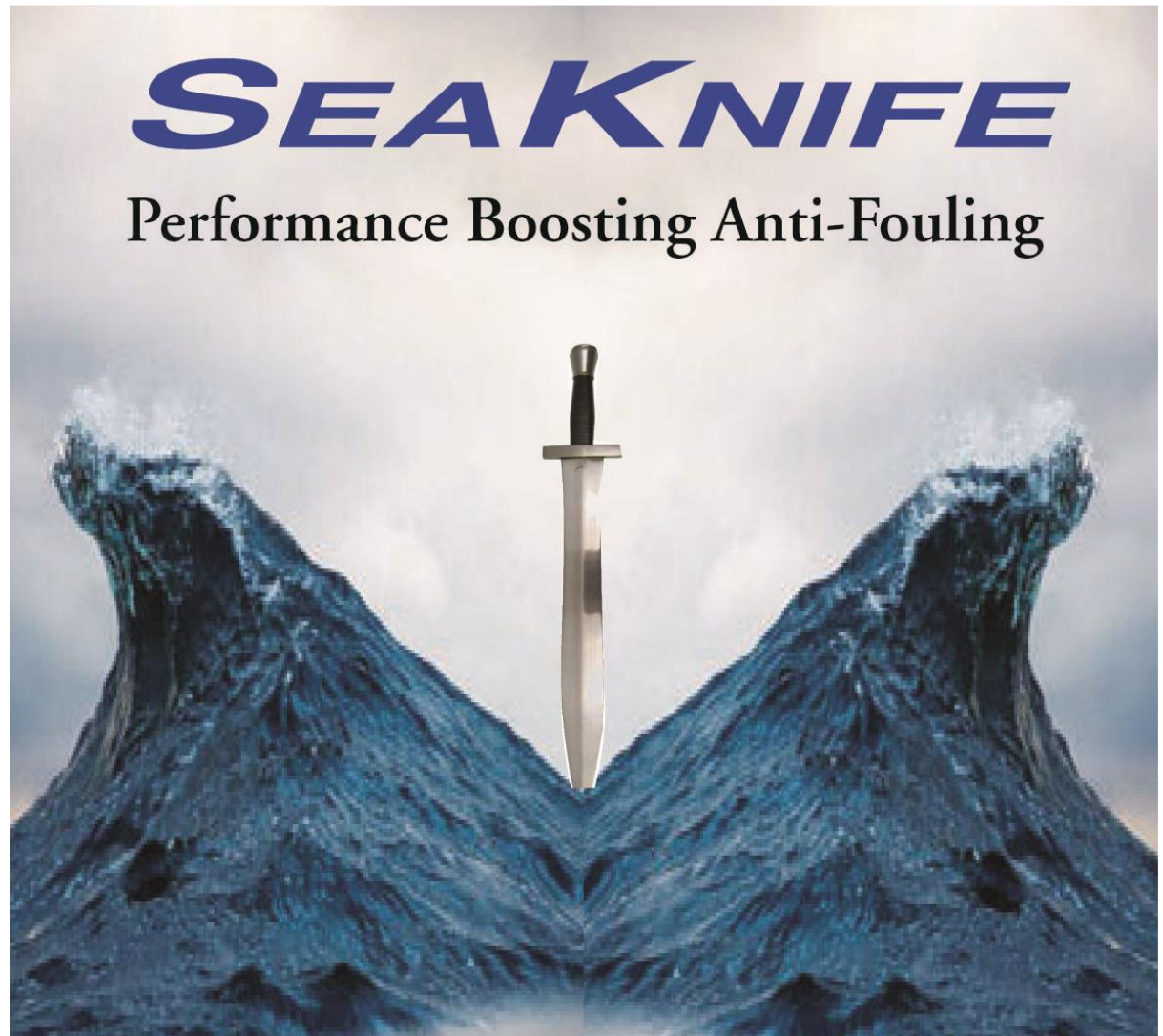




MARINE**STOP**



In comparative tests carried out by the Surface Engineering Department of University College Dublin (UCD), under the supervision of Professor Denis Dowling, Marine**Stop** was determined to have a coefficient of friction of 0.12, compared to a well-known international brand anti-foul of 0.84.

This friction level, between hull and water, of one seventh an established brand allows for faster, quieter and more ergonomic sailing experience.

Less time

Less noise

Less fuel

Professor Denis Dowling, UCD Surface Engineering Department
Report on MarineStop compared to International EU Dover White

	International EU	MarineStop
Water Contact Angle	96 +/- 2	114 +/- 4
Surface Energy (mJ/M2)*	31.1	18.1
Dispersal (mJ/M2)	30.4	18.1
Polar (mJ/M2)	0.7	0.0
Roughness (Ra)	1.64 um	.32899 um
Average Thickness (um)	22	18

*Surface Energy indicates how hydrophobic the coating is: the lower the surface energy rating the more hydrophobic the sample.

1Wear Index indicates the rate of wear of both samples in mg per 1000 cycles of abrasion. The lower the wear index, the better the abrasion resistance.

Wear and Abrasion Analysis

Mass Loss	1.8mg	1.1mg
Wear Index ¹	0.40mg	0.23mg
Coefficient of Friction	0.84	0.12

The report indicates that MarineStop has a superior performance in all areas of the test.

Lower surface energy coatings do not attract bodies as readily as higher surface energy coatings. This is important in an anti-fouling capacity.

The lower Roughness rating (Ra) indicates that MarineStop has greater durability than International EU, meaning that of two coatings with the same hardness and adhesion the one with lower roughness will give a longer performance life. The MarineStop rating is one fifth that of International EU, described by Professor Dowling as a “very significant difference”.

This combined with the lower Wear Index and Mass Loss show a better resistance to abrasion, again indicating a longer working life.

Finally, the Coefficient of Friction of International EU is seven times greater than that of MarineStop. In terms of energy efficiency and fuel savings, the implications of this factor alone could be enormous.

SAVE TIME, SAVE MONEY, ADD GREATER COMFORT: MARINESTOP

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