

CLEAR SIGNAL®

Permanent biofouling protection for marine instruments; can be applied retrospectively or to new equipment exclusively by RS Aqua in the UK.

ClearSignal®

ClearSignal® is a passive non-toxic polymer that acts as a biofouling inhibitor and foul release coating. It uses advanced material technologies to achieve its non-stick properties and performance. The permanent coating is designed to last the life time of the platform or instrument that it is protecting. Unlike traditional antifouling systems which rely on active biocides and whose effectiveness degrades with time, ClearSignal® biofouling protection remains 100% effective with no diminishing performance.

ClearSignal® was originally developed for the offshore seismic exploration industry with later adaptation for the larger oceanographic user community. The system is applied in a controlled facility using state-of-the-art industrial coating processes. The intended substrate and instrument type are significant engineering design components of the ClearSignal® system. The product formulation is also adjusted for the particular marine application.

KEY FEATURES

- + Robust polymer coating able to withstand offshore use
- + Non-toxic and safe for the environment
- + Long term effectiveness with no diminishing of antifouling performance over time
- + Visually clear & acoustically transparent
- + Designed to last the lifetime of the instrument or platform
- + Significant reduction in downtime caused by biofouling



Two Vemco VR2W Receivers after a Summer deployment of 3 months in a warm marine environment. Right receiver with ClearSignal® anti-fouling coating applied, left receiver with no coating.

TECHNICAL SPECIFICATIONS

*Specifications subject to change without notice

APPEARANCE *Clear*

SPECIFIC GRAVITY 1.02 – 1.1

**WATER ABSORPTION
% BY WEIGHT** .1%

**OPERATING TEMPERATURES
DEG. F** -50 to 275

**DUROMETER
SHORE A** 50

**THERMAL CONDUCTIVITY
W/m.K** .20

**DIELECTRIC STRENGTH
kV/mm** 15



Above: ClearSignal packaged contents

Right: Glider with ClearSignal®

Far right top: ADCP with biofouling

Far right bottom: ADCP with ClearSignal®
biofouling protection

