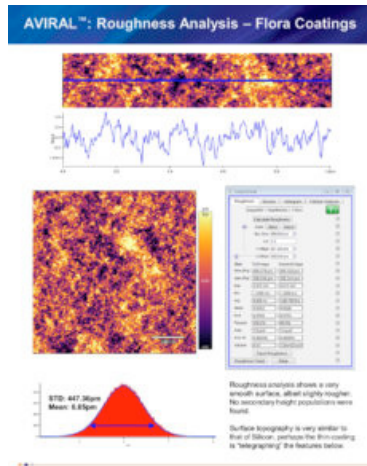


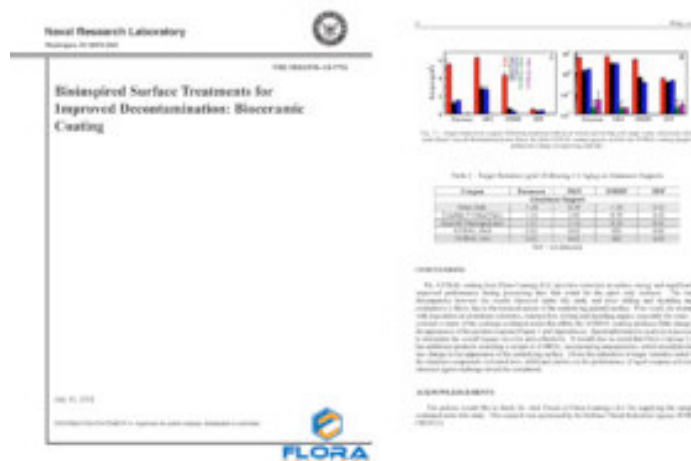


AVIRAL Coating Case Studies



Atomic Force Microscopic Image of AVIRAL Coating

A polished silicon wafer was coated with AVIRAL coating and dried in ambient conditions. The coated surface was scanned with Atomic Force Microscopy in tapping mode. Significantly smooth surface with surface roughness in sub-nanometer regime was observed under the microscope. This demonstrate that AVIRAL could deeply penetrate and bind with individual grains of the substrate.



NAVY Report on Self-Cleaning AVIRAL Coating

The AVIRAL coatings provided significantly greater reduction (exceeding 200%) in retention for all targets considered under the study than either the oiled or fluoropolymer treated surfaces. The AVIRAL coating produces little to no change in the appearance of the coated coupons.



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – CHEMICAL BIOLOGICAL CENTER

Commercial overcoat to polyurethane paint, chemical agent resistance evaluation
Flora Aviral and *Invesil*

T. P. Phipps and S. A. Wierzbicki
Decontamination Sciences Branch
December 2019

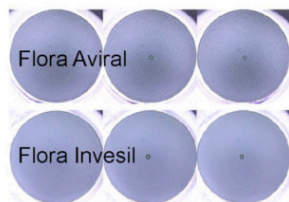


HD

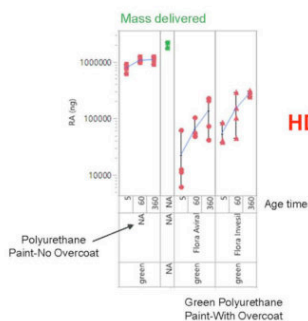
APPROVED FOR PUBLIC RELEASE



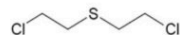
Age time (min): 0 <5 360



Droplets on all of these coatings
remained sessile for 6 h



HD



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U.S. Army reports on AVIRAL and INVESIL Coatings