NEW MATERIALS RESEARCH



EXPOSURE RACK ER-1
6th ARW Bolt Cell
Innovation Center
MACDILL AFB
TAMPA, FL

BOLT CELL

ELINOR

Elinor Coatings, LLC researches and develops high performance anticorrosion coatings and metal protection solutions for the Department of Defense and industry. Elinor specializes in studying and protecting non-ferrous metals such as aluminum, magnesium and bronze as well as mitigating galvanic corrosion in multi-metal steel, alloy or carbon-based composite substrates. www.elinorcoatings.com

HIGH PERFORMANCE COATINGS

Coatings designed for military assets pass rigorous laboratory testing followed by 12-18 months of in situ weathering in high corrosion environments before products can pass military specifications and be added to the Qualified Product List (QPL) for use by maintenance depots or OEMs.

Because of the geographic location of MacDill AFB and the establishment of the Bolt Cell Innovation Center, this is an ideal site in which to monitor corrosion and durability with existing and new technologies and provide valuable information regarding corrosion mitigation practices. This exposure rack can hold up to 160 sample panels and host a solar-powered remote weather data station.

Current research focuses on long-lasting and lightweight chromium-free primers for new and aged aerospace aluminum and durable primers for ground equipment.

INNOVATION IN ACTION