

Reduced Solar Load Improved Comfort and Saved Energy

Situation

The Fort Benning base had many buildings with excessive heat and cooling loads due in part to solar gain and loss through windows. They determined that a high performance, reflective polyester window film would be part of their best solution.

Project Scope

BES installed 109,000 square feet of window film. The project required installing film in shared workspaces and coordinating efforts over a large, complex campus.

Product: Reflective 35 Window Film

Fort Benning selected a reflective, slightly silver window film. The Reflective 35 film offered good aesthetics (not too reflective) with a solid 35% reduction in visible light.

This reflective film provided interior and exterior reflectance for superior reduction of summer cooling costs while retaining heat in winter. It was scratch-resistant while achieving a high level of glare control, shielding 99% of ultraviolet rays, and providing excellent heat-rejection.

This solution provided well-lit rooms, worked on double-pane glass, and provided a comfortable level of solar reflection for a good price.

Fort Benning



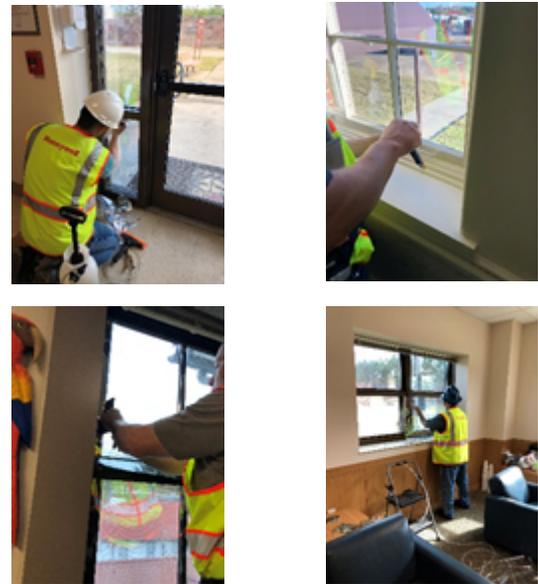
Industry: Military

Location: Fort Benning, GA

Facility Types: Housing, Offices, Dining, Chapels, Classrooms, etc.

Project Type: Window Film

Photos of BES Window Film Installers at Fort Benning



“ECM did an excellent job. They were focused and professional. We received many compliments from building managers regarding this project!”

Jeffrey Bonnar, Honeywell

SF	kWh Savings	Annual Savings	Simple Payback
109,720	1,847,323	\$92,366	10.5 years

BES is a leading national contractor serving North America's leading ESCOs and corporate clients. There are a number of qualities that set BES apart: quality of installation, professional project management, pre and post Installation documentation, flexible project scheduling, project warranties, M&V, and extensive experience with performance contracting.

BES is part of ECM Holding Group, a collection of conservation technology firms serving North America's leading ESCOs and corporate clients. For more information, please visit www.energy-bes.com, or call 920.267.6111.