



PROJECT PROFILE

FORD MOTOR ENGINE STORAGE FACILITY

STAYFLEX™ Thermal Insulation Systems

Owner: The Ford Motor Company
Pontiac, MI

Project Size: 36,000 square feet

PROJECT OVERVIEW:

As part of the upgrades to convert an existing metal building for engine storage, Ford Motor chose the energy efficient STAYFLEX™ Thermal Insulation System, based upon two primary considerations.

1. Maximize energy efficiency to reduce utility bills
2. Complete insulation system must be fiber-free to eliminate engine contamination risk

STAYCELL™ 245-2.0 spray polyurethane foam insulation was first applied at 2" to all roof decking and walls. STAYCELL™ has an R-value of 6.5, almost twice that of fiberglass & cellulose and is completely fiber-free. Other important factors include seamless application, high strength, moisture resistance and durability. The STAYCELL™ was then coated with 1/16" STAYFLEX™ 2505 thermal barrier coating to provide a durable, washable, seamless and fire retardant finish required by building codes for interior applications of polyurethane foam. STAYFLEX™ 2505 is manufactured from the same types of resins used in high performance products such as fiberglass tanks, chemical piping and corrugated fiberglass (FRP) sheet.

KEY BENEFITS:

- Superior, energy-efficient foam insulation provides payback through energy savings
- Fiber-free insulation and protective coating eliminates potential engine contamination
- Bright-white color reduced need for additional lighting

