

PROJECT PROFILE

KERN RECYCLING CENTER

STAYFLEX™ Suspended Ceiling Systems

Owner: City of Kern, California

Project Size: 15,000 square feet

Design Engineers: Tetra Tech, Inc. and CH2M HILL, Inc.

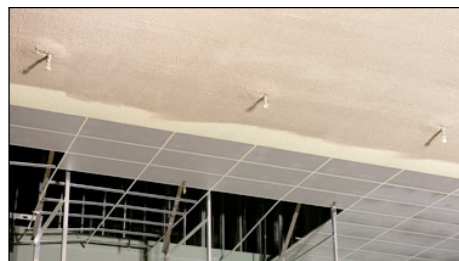
PROJECT OVERVIEW:

In 2006, as part of its' green initiative, the City of Kern constructed a new pre-cast concrete recycling center. The STAYFLEX™ Suspended Ceiling System was installed throughout the entire building to provide insulation and hide all mechanical equipment for a nice, clean look.

The first step was to install aluminum grid, spaced 2' x 4', and then drop the 26 gauge galvanized steel sheet ceiling panel into place. The second step was to apply the STAYCELL™ 245-2.0 spray polyurethane foam insulation 1.5" thick to the entire underside of the suspended ceiling. Finally, the STAYCELL™ was 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. The final installed product is a seamless, fully adhered, insulated structural composite assembly, having similar strength to high performance products such as fiberglass tanks, chemical piping and corrugated fiberglass (FRP) sheet.

KEY BENEFITS:

- Totally seamless (except for designated access panels).
No clips, caulks, or joints
- Eliminates moisture, chemical vapor and bacteria passage through seams to cavity above
- The only system utilizing energy efficient (R-6.5 per inch), seamless, sprayed polyurethane foam insulation
- Thermal efficiency controls heat/cooling loss, minimizing condensation
- Light-weight. Approximately 1.5 per square foot
- Low maintenance. Power-washable



PSI
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