

## Case Study: Innovative Design Scores LEED® Gold Certification and JM PVC Is There



**Description:** “Two Tribes, Two Teams, One Home” is an apt description for this scenic 140-acre development on the Salt River Pima-Maricopa Indian Community in the heart of metropolitan Phoenix. It’s an innovative complex that is home to an 11,000-seat ballpark, 12 practice fields, Major and Minor League clubhouses, and training facilities and offices for two Major League Baseball teams – the Arizona Diamondbacks and Colorado Rockies. It is the first Major League Baseball spring training facility to be built on Native American land.

**Challenges:** Arizona: Where baseball is king, and the sun and heat are relentless. In fact, according to Dave Dunne, owner representative, “During construction of the most beautiful ballpark in the nation, Phoenix experienced one of its most brutal summers, underscored by history-making sandstorms. And the project’s quick turnaround was just as relentless.”

**Solution:** The signature feature and reason so many fans said they will be returning to the Salt River Fields Stadium next season is its uniquely designed roof. It features two overlapping decks behind home plate that are positioned so that 85% of all fans in the grandstand are shaded during the course of the afternoon.

A light gray JM PVC membrane was specified to reduce potential glare on passers-by from a too bright surface. HKS’s architects worked closely with Johns Manville’s Technical Services team in Denver to develop the parapet flashing system, resulting in a custom color around the stadium clubhouse. Light stands and towers were particularly challenging, and, again, JM’s Denver group teamed with the designers for a solution that would keep the roof structure watertight and be in compliance with detail drawings.

“Really, the toughest thing about the project was the tremendous time crunch. At times we had four to five crews on the decks,” reported roofing contractor Jeff Starkweather. “Their teamwork was evident in the fast progress that was made,” said Dunne. “The first pitch of 2010 Spring Training came just 14 months following groundbreaking. And the project was awarded the U. S. Green Building Council’s LEED® Gold designation – the first LEED-certified Spring Training facility,”

**Location:**

**Scottsdale, Arizona**

**Building Representative:**

**Salt River Fields at Talking Stick**

Dave Dunne,  
General Manager, Salt River Fields  
Manager, Spring Training Operations

**Architect:**

**HKS, Inc.**

**General Contractor:**

**Mortenson Construction**

**Roofing Contractor:**

**Starkweather Roofing, Inc.**

Jeff Starkweather, President  
JM Peak Advantage® Summit Club® Contractor

**Roofing System Solution: SP6RA**  
**20-Year Peak Advantage® Guarantee**  
ENERGY 3® Roof Insulation  
JM PVC Membrane Adhesive (Low VOC)  
JM PVC 60 mil Membrane, Fully Adhered

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