

HOK Sports Facilities Group Tackles Roof Deck Problem With Heavyguard® Protected Membrane Roof Insulation

Architect Steve Kellen of HOK Sports Facility Group in Kansas City had a very specific problem to solve at the new Barry Switzer Center on the campus of the University of Oklahoma. T. Clear Corporation had the solution.

The problem: How to protect a roof deck over a training facilities building from incessant foot traffic. The deck opens from doors in the coach's office and from a gallery room where many types of functions are held. Since it would be imminently visible to visiting alumni and to fans in the adjacent Oklahoma Memorial Stadium, the deck had to be attractive. And it had to stand up to the foot traffic of the coaching staff who would use the vantage point to view and videotape practices held just south of the arena.

The solution: A T. Clear Protected Membrane Roof (PMR) System using Heavyguard PMR Insulation panels. Heavyguard panels act as both insulation and ballast. It consist of 2" or 3" extruded polystyrene bonded to 15/16"



Contractor installs custom designed fasteners to Lightguard panel.



Roof deck atop the Barry Switzer Center.

latex modified concrete and cut into 2' x 4' panels with tongue-and-groove edges. The panels are placed over the waterproof membrane to protect it from damage caused by UV radiation, thermal shock, physical abuse, wind and hail.

At the Barry Switzer Center, roof contractor Heritage Roofing of Enid, Oklahoma installed a mechanically-attached single ply membrane over a metal deck and the 3" Heavyguard.

The architects at HOK Sports Facility Group had designed a graphic of the "OU" to be incorporated into the roof. Since the graphic was designed on a 2' grid, it required 2' square panels of Heavyguard to produce it. The technical staff at T. Clear Corp. responded to the challenge and designed a configuration system of cut panels that would not compromise the wind performance of the Heavyguard.

Heavyguard comes in a choice of six colors, but in this case, T. Clear Corp. mixed a custom color so that the graphic would appear in the familiar crimson and white of the University of Oklahoma.

Attractive and durable roofs backed by the technical know-how of its experienced staff and a select group of independent agents, advisors, and contractors is what you can expect each and every time you install T. Clear Protected Membrane Roof System.