

PINNACLE BANK ARENA

In designing the \$179 million Pinnacle Bank Arena, home to The University of Nebraska-Lincoln's basketball teams, project architects blended aesthetics with performance by specifying a slam dunk selection of interior and exterior coating systems from Tnemec.

"For exposed interior steel, the architect wanted a one-coat application that had rust-inhibitive properties and a specific color," explained Rory Sudbeck of SGA Coating Consultants. "The coating also needed to meet AISC requirements for Class B slip-critical coefficient."

Interior structural steel was prepared in accordance with SSPC-SP6/NACE No. 3 Commercial Blast Cleaning and shop-primed with nearly 2,000 gallons of Tnemec's MIO/zinc-filled moisture-cured urethane coating, which was spray-applied at 2.5 to 3.5 mils dry film thickness (DFT).

"The coating is single-component, so they could touch it up in the field," Sudbeck noted. "All of the bolts and components were coated after the steel was erected, which they accomplished without having issues related to recoat windows."

Exterior steel sections were primed with Series 90-97 Tneme-Zinc, an advanced technology zinc-rich urethane, and Series 1070 Fluoronar, a high-solids fluoropolymer coating that offers outstanding color and gloss retention, was field-applied.

Floors in kitchen and food storage areas were abrasive-shot-blasted in accordance with SSPC-SP13/NACE No. 6 Surface Preparation of Concrete, prior to receiving a base coat of Series 245 Ultra-Tread S, a low-odor, polyurethane modified concrete. The floor system also included two applications of Series 222 Deco-Tread, a colored quartz-filled modified polyamine epoxy, followed by a coat of Series 284 Deco-Clear. The topcoat was Series 248 EverThane, an extremely hard, chemical-resistant urethane floor coating that offers excellent resistance to abrasion, wet conditions, corrosive fumes and chemical contact.

In the Arena's locker rooms, shower floors were coated with a decorative coating system of Series 222 and a topcoat of Series 248. Shower walls were treated with Series 215 Surfacing Epoxy, a 100 percent solids epoxy filler, followed by Series 273 Stranlok ML, a fiberglass mat reinforced polyamine epoxy coating system. The topcoat was Series 297 Enviro-Glaze, a low-odor, ceramic-modified waterborne polyurethane coating.

"The project was on a fast track, especially the completion of the floor and wall coatings," Sudbeck added. "Decorative floor-topping systems were applied on 20,000-square-feet of floor space." The 16,000-seat Pinnacle Bank Arena anchors the City of Lincoln's \$344 million West Haymarket district featuring retail, entertainment and residential developments.

FEATURED PRODUCTS

- Series 90-97 Tneme-Zinc
- Series 215 Surfacing Epoxy
- Series 222 Deco-Tread
- Series 245 Ultra-Tread S
- Series 248 EverThane
- Series 273 Stranlok ML
- Series 284 Deco-Clear
- Series 297 Enviro-Glaze
- Series 1070 Fluoronar



PROJECT INFORMATION

Project Location
Lincoln, Nebraska

Project Completion Date
August 2013

Owner
City of Lincoln, Nebraska

Engineer
DLR Group
Omaha, Nebraska

Shop Applicator
Midwest Steel Works
Lincoln, Nebraska

LeJeune Steel Company
Minneapolis, Minnesota

Field Applicator
Color Inc.
Omaha, Nebraska

Surface Sealers, Inc.
Lincoln, Nebraska

Several Tnemec coating systems have been used on three different ballparks in Omaha, NE, including the new home of the Division I men's championship series, TD Ameritrade Park Omaha.

