



# THE SOLUTION SERIES

Recognizing *superior solutions* to construction and renovation challenges

## Soldier Field Chicago, IL

### Kedmont Waterproofing

#### CHALLENGE

The \$600 million renovation of Soldier Field included a design that is second to none for viewing a football game. It also included a non-vented metal pan deck, which created a challenge when it came to waterproofing. Without venting, concrete is not able to breathe downward and delamination of the coating system was a concern for the manufacturers of the systems specified. Product warranties would not apply and extensive preparation work would be required.

#### SOLUTION

The renovation plan didn't include time for the extra preparation work required by the systems specified, plus the steps would have added significant cost to the job. A product with proven performance was needed and a supplier that would take responsibility for the job. With a longstanding reputation to protect and tight deadline to meet, Kedmont Waterproofing worked with the local Tremco field representative to present an alternative that would ensure long-lasting performance and appearance (with warranty), enable the timetable to be met, and eliminate the necessity for any additional labor and its associated cost.

The solution was Tremco's Vulkem® 350/345/346 Traffic Deck Coating System, a system that had been used on 20 different stadiums with non-vented metal pan decks without a problem, including Wrigley Field, Candlestick Park, Jacobs Field and Coors Field. As a lasting monument to Soldier Field's glorious past, the signature colonnades rising above the playing field were retained and restored with Tremco's Vulkem® 360 NF composite waterproofing system to mask the imperfections and spalling, and protect them for decades to come.

#### THE TREMCO SOLUTION

- **Vulkem 350**, a one-part urethane membrane that bonds firmly to concrete, wood, or metal and prevents water migration to the substrate even if cut or damaged.
- **Vulkem 345 Intermediate Coat**, a two-part urethane loaded with aggregate for superior impact, abrasion and chemical resistance.
- **Vulkem 346 Top Coat**, an aliphatic polyurethane which securely bonds to the Vulkem 345 and provides excellent abrasion resistance, UV stability, and protection against the damaging effects of water, deicing salts, chemicals, gasoline, oils, and antifreeze.
- **Vulkem 360 NF**, a composite waterproofing system containing a liquid polyurethane rubber which cures to form an extremely durable, seamless, easy-to-clean elastomeric rubber membrane

