



PROJECT PROFILE

Moisture leaks in Superbowl Stadium's concourse floors; repaired with attractive, decorative finish



During Repair



Finished Floor

CUSTOMER

Reliant Stadium – Concourse Floors
Harris County Sports & Convention Corporation
Houston, Texas

PROJECT TEAM

Linbeck Architects • Houston, TX
Manhattan Construction • Houston, TX
PolySpec Construction Services • Houston, TX

PROJECT OVERVIEW

Cracks that had developed in the stadium's concrete flooring were causing leaks into lower level spaces, including the office of the Houston Texans' owner, Bob McNair. The Harris County Sports Authority realized the need for a waterproof concrete coating to remedy the situation. Because the Reliant Stadium had been chosen to host the 2004 Super Bowl, aesthetic improvement was also important for this 350,000 square foot flooring project.

KEY CONSIDERATIONS

Waterproofing: PolySpec® 300EX, a solvent-borne, moisture-tolerant epoxy primer, was applied to provide tenacious adhesion and protection from moisture. Thiokol® 2234, a crack-isolating flexible sealant, was then applied to reduce possibility of future cracks and water intrusion.

Decorative Surface: With cracking remedied, PolySpec then applied a decorative quartz system, which utilizes a proprietary epoxy base coat system that "locks in" the broadcast media without the puddling and unevenness of other epoxy floors. A topcoat of TuffRez® 236 water-borne, low odor polyurethane was then rolled onto the floor, providing additional abrasion and chemical resistance. The resulting finish is seamless and has a carpet-like appearance. It provides both a non-slip texture and an easy-to-clean surface finish.

SYSTEM PRODUCTS

- **PolySpec® 300EX**
Primer for Epoxies on Concrete & Steel
- **Thiokol® FEC 2234**
Flexible Epoxy Coating/Sealant
- **TuffRez® 201**
Clear Epoxy Coating, Decorative Quartz Broadcast
- **TuffRez® 236**
Water Borne Polyurethane Top Coat