EcoSeal, LLC

LBJ Space Center – NASA Case Study-Cooling Tower

Fast curing, impact resistant coating system protecting cooling tower decks from damage.

CUSTOMER

LBJ Space Center - NASA
Wooden Cooling Tower Decks
Houston, TX
1999

PROJECT TEAM

EcoSeal, LLC.
Cooling Tower Solutions - Contractor.

PROJECT OVERVIEW

In 1999, EcoSeal contracted through one of our distributors, Cooling Tower Solutions of Houston, TX, to provide our ES 200 Waterproofing System for the Lyndon B. Johnson Space Center. NASA's issue was to eliminate the ongoing deterioration of their cooling tower decks, which had to be routinely replaced. Our innovative system provided NASA with a waterproofing solution that could be easily and rapidly applied, while also providing a level of fire retardation that they could not find with other products/systems. Maintenance of these cooling decks had become an expensive program. The ES 200 System gave them a cost effective means to reduce their cooling tower deck maintenance costs.

CONSIDERATIONS

Waterproofing: The ES 200 Waterproofing System was utilized to eliminate the continuing deterioration of the cooling decks. ES 200's elastomeric, adhesion, UV resistant and fire retardant properties were ideal to protect the building's decks from future degradation. The fact that the membrane forms instantly upon contact with the substrate, following all contours, is touch-dry in minutes and achieves complete chemical cure in 24 to 48 hours was another critical benefit from this system.

SYSTEM PRODUCTS

ES 200: Polymer-modified elastomeric system that is specifically formulated for long-term water barrier protection. ES 200 forms resilient, puncture-resistant, waterproof membrane around most any structure or surface.