

PROJECT CASE STUDY

The Piper Tech Center in Los Angeles is a City of LA owned and operated building that among other enterprises houses Building Services Department and the LAPD tactical air unit. This is where the LAPD houses, maintains and launches their helicopters. The LAPD maintains twelve helicopters in the air at all times with more on the pad ready to go and additional units in maintenance and repair. The landing deck and tower are located on the roof of the top floor of the four story Piper Tech Center building.



PROJECT DETAILS

Piper Tech Center

City of Los Angeles

LOCATION

Los Angeles, California

PRODUCTS USED

COREFLEX® 60 waterproofing membrane

CHALLENGE:

The structure has been leaking for some time and needed to be replaced. However, given the fact that this is primary launch / landing location for the LAPD's fleet of helicopters and the structure is occupied, the logistics and scheduling of the rehab was going to be very tight. The cross section of the existing assembly is a structural concrete waffle deck with coal tar pitch waterproofing and a 6" structural concrete topping slab.

The schedule called for removing the structural topping pad, then removing the existing coal tar pitch waterproofing, shot blasting the deck to clean concrete, installing new hot applied rubberized asphalt waterproofing and protection course then pouring a steel reinforced 6" thick topping slab over the waterproofing all in 60 calendar days. The contractors bidding the waterproofing did not believe they could meet the aggressive schedule given the scope and asked the manufactures for help in devising a system that could.

SOLUTION:

CETCO was able to use COREFLEX 60 membrane which does not require the extensive deck remediation to remove all residual coal tar pitch and is a single application, single layer product that goes down in one pass. COREFLEX 60 allowed the contractor to not only meet the aggressive schedule, but overcome the un-seasonal rains that were plaguing LA last June. Without having to wait for concrete to dry from the rainstorms, they were able to move forward immediately after the rain and install the COREFLEX 60 membrane. In fact, on their first day, a Thursday, the applicator had completed what the City of LA wanted them to have installed by the following Tuesday. This allowed everyone enough time to complete the rest of the application including the topping slab on schedule.

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