

CASE STUDY

Commercial Building | Plano, TX

Project Summary

Concrete Lifting/Leveling of Commercial Office Building, Sidewalks, Parking Lot, and Interior Floating Slab Floor had sunk/settled

Chemical Used

NCFI 24-010 2.8Lb Density Closed Cell Polyurethane

Project Overview

We were contacted about a parking lot and sidewalk around an office building that had dropped significantly causing tenants to have issues getting in and out of the building as well as causing trip hazards. In addition, the slope of the sidewalks towards the building caused water to penetrate against the building which ultimately caused interior foundation issues that also had to be remedied. Inside the building, walls were no longer touching the floor in some areas and cosmetic cracks were prevalent in many areas where the floor had dropped.



Problem:

Lift-Texas Construction, LLC, surveyed the location (inside and out), taking elevation

measurements to determine how much polyurethane was required to potentially lift the sidewalks and interior floating slab. We measured that the parking lot and sidewalk around the office building had dropped at least 8 inches which was just one of the things affecting the interior slab. The void under the building had also caused the interior slab to drop roughly two inches, with gaps between the floors and interior walls also measuring 2 inches.

Solution:

Once a plan of attack was presented to the general contractor, Lift-Texas was given the green light to proceed. We easily pulled the Lift-Texas Poly Rig right up to the back of the building and began the exterior repairs. The exterior sidewalks were lifted first and took one full day to complete. The following day, we moved inside to lift the floor which took just half a day to complete. While we worked in the back of the building, the office staff was able to keep business going and work in their front offices without disruption. After pumping nearly 500 pounds of polyurethane foam under the sidewalks and floor, the client was extremely happy.

