

Convention Center Built on Reclaimed Riverbed Suffers from Settling, Erosion, and Construction Issues. Contractor Uses **TerraThane™** to Fill Voids, and Raise and Level Concrete Slabs.



PROBLEM

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12-year-old riverfront Convention Center in New Bern, NC, was in trouble. The building's exterior is supported by pilings driven deep into the ground, but the floors sit directly on the earth and silt of the old riverbed. The land was in-filled by old docks and building debris in the 1970s and settling, erosion, and construction issues were taking their toll on the building:

- + Parts of the floor and patio sunk up to seven inches
- + Cracks and uneven joints in the concrete slab floors were causing walking/tripping hazards
- + Gaps beneath walls were allowing sound to pass between what were designed as sound proof rooms

SOLUTION

Contractor Hayward Baker drilled multiple 5/8-inch holes in a 5 ft. x 5 ft. grid and pumped in over 10,000 lbs. of TerraThane™ geotechnical polyurethane foam to fill the voids beneath and raise the concrete slabs to their original position. Terry Phillips, superintendant with Hayward Baker says, "TerraThane is the way to go. It's clean—there's really no mess—it's much quicker than traditional products, strong, and lasts the life of the building."

RESULTS

According to Phillips, "TerraThane really helped us exceed the convention center client's expectations."

"We finished the job three weeks ahead of schedule."

Now, we're talking with them about two more buildings. I can't wait to use TerraThane again."

Learn more at
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