

# Pepsi Bottling Plant in Nashville, TN Uses TerraThane™ by NCFI to Save Spillage and Lost Product



## PROBLEM

Erosion beneath warehouse's concrete slab floor causes uneven joints and rocking slabs. Forklift drivers experience jolts, and bumps, and lose product, which in turn costs the company money.

Concrete floors are cut into smaller slabs not long after the concrete is poured and the cuts create control joints that separate a large concrete floor into smaller squares. Over time the earth beneath the concrete slabs erodes, voids form, and the slabs become uneven. Heavy machinery, like forklift traffic, traveling over the unsupported slabs can cause them to rock up and down, jarring the forklift, discomforting the driver, and costing the plant money in ruined product. Eventually breaks or fractures called "joint spalling" occur and it gets even more costly. Left unchecked spalling can spread and ruin the entire slab.

## SOLUTION

Pepsi called in specialist Eddie Bolton and his company, Mid-South Concrete Leveling, Milan, TN, to help save "The Choice of a New Generation" for the millions served by the plant.

Bolton applied a new technology solution: TerraThane™ Geotechnical Polyurethane Foam. "Geotech polyurethane foam provides a low-impact and reliable means for stabilizing concrete joints," says Bolton, who has been using the TerraThane™ for over a year. "We cleaned out all the joints, removed the debris, drilled 5/8-inch holes about every three-to-four feet, and pumped in TerraThane™ void fill foam to fill the joints. It worked great, and quickly so no real downtime for the warehouse."

## RESULTS

"Pepsi was so pleased they asked us to patch about 130 feet of cracks in the slabs. The floor was ready to use by the time we left the plant. We're already getting more work from Pepsi." Bolton says his company chose TerraThane™ because it's faster, requires less set-up time (generally reaches ninety percent strength within 15 minutes of injection), requires very little clean-up after the work is complete, and

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provides long-term stability for stabilizing concrete floor joints. "NCFI is a great partner in this business," says Bolton. "Unlike some other companies, they've been around for more than 40 years so they know what they're doing, and their products are the best in the industry. They go overboard supporting us too, which is unique in the construction business. It's why I branded my trucks with the NCFI logo."

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