

Spivey Disposal Tipping Floor

Hampton, VA



Project Profile (2017)



Project Summary

Spivey Disposal is the leading hauler and construction and demolition recycler in southeastern Virginia. In 2007, they opened the doors to the first Material Recovery Facility in the peninsula. The facility separates recycled materials from waste in order to increase reusable materials and minimize waste sent to landfills. The existing concrete tipping slab was in need of replacement due to the abrasive environment. The life expectancy of these slabs are only a very short 3 to 4 years.

The owner needed a way to get a longer, more durable life from concrete slabs. Every day, semi-trucks drive in and out of the facility and excavator claws scrape against the floor. This industrial environment causes a lot of stress on the tipping slab, leading to cracks and damage that shorten the lifecycle. The project called for the installation of a jointless slab with high impact and abrasion resistance and a compressive strength of 7000 psi.

Spivey Disposal chose PREVent-C technology in combination with 1.5" steel fiber to allow for a jointless slab solution. The improved performance of the slab led to Spivey completing a second replacement at their facility in 2018 using this proven solution.

Owner: Spivey Disposal, LLC

Concrete Producer: Branscome Inc.

General Contractor: S.A. Seaman Concrete Construction Inc.

Ready-Mix Producer: Branscome Inc.

Products: PREVent-C®500 Shrinkage-Reducing/Compensating Admixture



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