



E5® Project Showcase Republic Services



REPUBLIC SERVICES HAS A RICH HISTORY OF PROVIDING DEPENDABLE RECYCLING AND WASTE SERVICES ACROSS THE U.S.

A leader in the environmental services industry, the Mobile, Alabama, facility partners with their customers for a more sustainable city. At their local facility, the use of heavy equipment can wear down concrete quickly and Republic Services was replacing one of their slabs every three years. In efforts to increase sustainability and lower the carbon footprint, Republic Services used the premier concrete finishing company, ADS, LLC to remove the existing deteriorated slab and pour and finish the new concrete. The team chose to use E5® Internal Cure to extend the useful service life of the concrete slab. Bayou Concrete, a superior multi-state southeast ready mix company, combined structural fibers and E5® Internal Cure along with a high strength concrete to provide a long-lasting slab.

Poured on a hot June day, E5® Internal Cure held the water in the concrete ensuring proper curing. Through both ASTM C779 and BS8204 testing, the abrasion resistance using E5® Internal Cure will increase the useful service life.



PROJECT HIGHLIGHTS

Location: Mobile, Alabama
Product: E5® Internal Cure
Ready Mix: Bayou Concrete
Concrete Contractor: ADS, LLC
Owner: Republic Services
Technical Representative: M2 Solutions

THE MOST
EFFECTIVE
**CONCRETE
CURE FOR
MOISTURE.**

E5® patented products chemically bind nano-silica in concrete at the initial reaction point – internally curing concrete. E5® products create stronger, more durable concrete that resists chemical and physical attack while significantly reducing the carbon footprint of construction projects. E5® products help concrete realize its maximum potential with an efficient, economical, and sustainable process. E5® products improve durability, finishability, and workability while reducing cracking, chloride ingress, shrinkage, and curling – all of which extend the concrete’s service life.



Recommended Product: E5® Internal Cure

