



PROJECT PROFILE

ALPHA RIDGE TRANSFER STATION

EUCLID CHEMICAL



PROJECT DATA

Location – Howard County - Maryland

Application – Tipping Floor Overlay

Architect/Engineer – Bureau of Engineering - Howard County - Dept of Public Works

Applicator – Infrastructure Repair Services - Lincoln Park, NJ

Material Supplier – Euclid Chemical

Total Area – 6,300 ft² (585 m²)

PRODUCTS FEATURED

EUCOFLOOR™ 404

Wear, Impact & Chemical Resistant Concrete Topping

EUCOFLOOR™ Epoxy Primer

High Strength Epoxy Primer

SUPER DIAMOND CLEAR™ VOX®

High Solids, Water-Based Cure & Seal

SCOPE OF PROJECT

Application of high performance topping to give longer life to a solid waste facility concrete tipping floor.

PROJECT SUMMARY

The Alpha Ridge Transfer Station opened in 2005, handling 500+ tons of municipal solid waste every day. After the facility had worn through 2 to 3 inches (5.1 to 7.6 cm) of the original concrete, they overlaid 2,000 ft² (186 m²) with an emery-based topping but soon had delamination problems and were disappointed with the topping's overall performance.

Solution: In 2019 the Howard County Solid Waste Dept. decided to overlay the floor once again, but this time used EUCOFLOOR 404 installed by Infrastructure Repair Services. Because of their disappointment with the prior topping, the specification called for measuring the floor wear after one year. Out of the 6,300 ft² (585 m²) placed, one 2 ft² (0.18 m²) area showed slightly less than ¼ in (0.64 cm) of wear. Everywhere else the wear was negligible, and the entire overlay remains tightly bonded to the base concrete.

EUCOFLOOR 404 is a concrete topping specifically designed to take the abuse and chemical attack of a high-volume solid waste facility. Early strengths exceed 5,000 psi (34.5 MPa) and ultimately exceeds 15,000 psi (103 MPa) within a few weeks. It can be placed over a weekend with the floor back in-service Monday morning.

Infrastructure Repair Services is part of a network of qualified contractors across the U.S. who have the expertise to install a variety of Euclid Chemical products, including EUCOFLOOR 404. For additional information call Bob Swan: 702-239-1027.