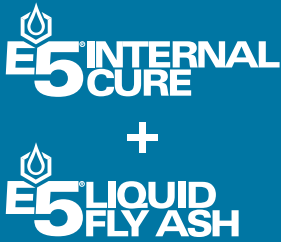


# E5® Sustainability | Case Study

## Reyes at Thunderbird Commerce Center



### PROJECT DETAILS

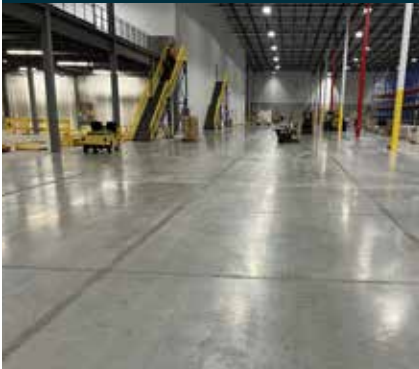
Date: August 2023  
Location: Indianapolis, IN  
Volume: 21,500 yd<sup>3</sup>  
Footprint: 750,000 ft<sup>2</sup>  
E5® Internal Cure: 4 oz/cwt  
E5® Liquid Fly Ash: 8 oz/cwt

### SUSTAINABILITY SAVINGS

Cement: 47 lb/yd<sup>3</sup>, totaling 1,010,500 lbs  
Water: 450,000 gallons  
Bulk Tankers: 96\*  
Diesel: 390 gallons\*  
Sheathing/Burlap: \$190,000, or \$0.25/ft<sup>2</sup>  
Construction Schedule: 7 days

\*Does not account for LFA tanker savings (1 LFA tanker per 28 trucks of traditional fly ash)

**Net Reduced CO<sub>2</sub> = 501 tons\*** (from cement manufacturer, water & cement transport & E5® manufacturer)



### PROJECT HIGHLIGHTS

Location: Indianapolis, Indiana  
Ready Mix: Shelby Materials  
General Contractor: Lauth Construction  
Concrete Polisher: Trace Construction  
Engineering Firm: Engineer of Record Inc.  
Architectural Firm: Curran Architecture



E5® Nano Silica admixtures give control back to the finishing crews and accelerate construction schedules. E5® Nano Silica eliminates hardeners, sealers, and curing compounds. When used as a system, E5® provides internal curing, extremely high abrasion resistance and high FF/FL levels. Crews gain access to the slab much quicker than compared to topically treated slabs.



**Recommended System: E5® Internal Cure** added at the batch plant and **E5® Catalyst** added topically.



E5® Incorporated

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