

E5® Project Showcase
Portobello Tile



PORTOBELLO AMERICA CHOSE BAXTER, TN TO BUILD ITS STATE-OF-THE-ART CERAMIC TILE PRODUCTION FACILITY IN THE UNITED STATES, DUE TO THE REGION'S VAST NATURAL SUPPLIES OF CLAY AND FELDSPAR. THE 92-ACRE PROJECT FEATURES AN 895,000 SQ.FT. MANUFACTURING FACILITY.

In addition this site will be the U.S. headquarters and employ over 220 people. Robots and laser-guided systems require a foundation slab that has a strong floor levelness and floor flatness along with very good abrasion resistance.

The construction team decided to replace the dry shake harder for abrasion with E5® Internal Cure and E5® Catalyst system. Using the E5® system also reduced shrinkage and curling in the slab, providing improved and more consistent floor flatness and floor levelness values.



PROJECT HIGHLIGHTS

\$80M plant - 895,000 sq. feet

Location: Baxter, Tennessee

Product: E5® Internal Cure & E5® Catalyst

Ready Mix: Garrott Brothers

Concrete Contractor: Jay-Ton

General Contractor: T.W. Frierson

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 Products: E5® Internal Cure and E5® Catalyst

