



KOMPONENT® HANDLES CHALLENGING INSTALLATION AT SMITHFIELD FOODS

Project Type:

Industrial

Application:

Slab-on-grade

Location:

Northeast, Maryland

Project Dates:

April 15 – July 25, 2019

Project Owner:

Smithfield Food

Contractor:

The Fricks Company

Ready Mix Contractor:

Maryland Portable

Project Size:

575,000 sq. ft.

Product:

Komponent®

Smithfield Foods is an American food company and considered the world's largest pork processor and a leader in numerous packaged meats categories. To produce these foods on such a massive scale, they are committed to producing their food in a responsible way and that begins with their plants.

When constructing an indoor slab-on-grade for a new facility in Northeast, Maryland, Smithfield needed a cement that would reduce shrinkage. The contractor, Fricks Company, recommended adding Komponent® to the concrete mix. Komponent is blended with portland cement to create ASTM C845—Type K cement used in shrinkage-compensating concrete, low shrinkage concrete, and non-shrink grout applications. Komponent is engineered to minimize or eliminate drying shrinkage cracking and improve the overall dimensional stability of the concrete.

The ready-mix contractor, Maryland Portable, had limited bin space so the Komponent was added at the jobsite. The Fricks Company's silo and slurry machines were used. Fricks had two silos and two slurry machines as backup in case of a breakdown. During the installation, the slabs were hard troweled and water cured. The slabs were placed in the early morning, two sections per day, at a size of 10,000 to 12,000 sq. ft. No control joints were used.

PROJECT PROFILE

One of the challenges on this project was while working in the freezer area, concrete buggies were being used to transport the concrete over the insulation. The buggies broke down during the placement. Maryland Portable was able to provide a concrete pump so that The Fricks Company could continue the concrete placement.

The use of Komponent allowed the concrete to meet the specifications. The entire placement was performed between April 15, 2019 – July 25, 2019.

CTS Cement Manufacturing Corporation manufactures Rapid Set professional-grade cement products for concrete repairs and new construction projects. Contractors, owners, engineers and architects choose Rapid Set to eliminate problems they have with other concrete repair materials, to save time and money, when superior durability is required and results need to be aesthetically pleasing. For more information about CTS Cement and Rapid Set, please visit www.CTScement.com.

ABOUT CTS CEMENT