



RAPID SET® CONCRETE MIX IS THE MATERIAL OF CHOICE FOR MILITARY PROJECT

Project Type:

Repair & Restoration

Application:

Concrete pad

Location:

San Antonio, Texas

Project Dates:

November 8–22, 2019

Project Owner:

Fort Sam Houston

Contractor:

Gonzalez-De La Garza

Project Size:

200 bags

Product:

Rapid Set® Concrete Mix, FLOW Control®, and SET Control®

When doing work on military installations, contractors must comply with specific requirements and specifications not always found in civilian jobs. As part of these requirements, and similar to government transportation projects, construction contractors can only use approved materials for military projects.

In November 2019, local contractor Gonzalez-De La Garza & Associates needed to install 4,000-psi concrete pads over an existing slab as part of a commercial boiler installation project at Fort Sam Houston in San Antonio, Texas. The contractor needed a fast-setting material with high early strength for the concrete pads. Rapid Set® Concrete Mix was approved for use in this project.

Concrete Mix is a high-performance structural repair material that can be applied from 2 to 24 inches thick. It sets in 15 minutes, is ready for traffic in one hour and reaches a compressive strength of 4,500 psi in 24 hours. The multipurpose material is used in projects where fast strength gain, high durability and low shrinkage are required, making it an ideal choice for airport and military pavement repairs as well as the construction of industrial floors and machine bases.

For the Fort Sam project, Concrete Mix was mixed using a Hippo Mixer (four bags at a time). FLOW Control water-reducing additive and SET Control set-retarding admixture were added to the mix to increase the fluidity and extend the material's working time.

PROJECT PROFILE

Each concrete pad was hand-troweled and broom-finished, then water cured for one hour. All parties were pleased with the project and the overall performance of Concrete Mix.

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