

PROJECT > Signal Energy Solar Power Project

Self-Consolidating Core-Fill Grout
Bagdad, AZ



PROJECT DESCRIPTION:

Freeport McMoran Copper & Gold Inc. has installed a 25 megawatt solar power generating facility in Bagdad, AZ using QUIKRETE® Self-Consolidating Core-Fill Grout (concrete) to anchor the solar panels.

Self-Consolidating Grout was pumped into more than 15,000 10" diameter, 8' deep holes used to set the panels. The high flow concrete is formulated with a super-plasticizing agent that allows the material to flow at low water-cement ratios and eliminates the need for

mechanical vibration. The grout can be applied in single lifts up to 10' high and can achieve compressive strength of 3,000 PSI in 28 days at a 24"- 28" slump flow. The Self-Consolidating Grout was provided in 3,000 lb bulk bags along with a Mason Mix Silo delivery system to support the high productivity needs of the project.

GENERAL CONTRACTOR:

Signal Energy

PROJECT START DATE:

May 2011

QUIKRETE® PRODUCTS USED:

- 3,000 lb Self-Consolidating Core-Fill Grout :
2,349 bulk bags
- Mason Mix Silo

PROJECT COMPLETION DATE:

July 2011

QUIKRETE® Self-Consolidating Core-Fill Grout >> Product No. 1585-06

