

PROJECT > PA Turnpike Expansion / Soil Pinning

Non-Shrink General Purpose Grout
PA Turnpike at Rt 476 Interchange



PROJECT DESCRIPTION:

QUIKRETE® Non-Shrink General Purpose Grout was used to secure more than 4,400 soil pins along the Pennsylvania Turnpike at the Rt 476 Interchange. The soil pin bore holes were drilled 2 1/4" wide, 30 feet deep into the excavated vertical rock walls. Hollow 2" soil pins were then inserted into the bore holes. QUIKRETE® Non-Shrink General Purpose Grout was mixed to a fluid consistency and then injected through the pins until they were fully encased in the high strength grout. The pins were then used to

secure structural reinforcement for a 4" - 10" thick wet mix shotcrete overlay.

QUIKRETE® Non-Shrink General Purpose Grout's rapid strength gain allowed Terra Structures to apply the shotcrete coating within 72 hours of the soil pin placement.

QUIKRETE® Non-Shrink General Purpose Grout exceeds 2,000 PSI at 24 hours and more than 8,000 PSI at 28 days when mixed to a fluid consistency. The material complies with ASTM C 1107 and CRD 621 requirements.

GENERAL CONTRACTOR:

Walsh Construction

PROJECT START DATE:

April 2011

SUB-CONTRACTOR:

Terra Structures

PROJECT COMPLETION DATE:

Fall 2012

QUIKRETE® PRODUCTS USED:

- 50 lb General Purpose Non-Shrink Grout :
22,000 bags



QUIKRETE® Non-Shrink General Purpose
Grout >> Product No. 1585-01

