

NEWARK ENERGY CENTER Natural Gas Power Plant

High-Temperature Systems Insulation



PROJECT SUMMARY

The construction of the Newark Energy Center gas-fired power plant in Newark, New Jersey called for the latest GE gas turbine technology to supply electricity to more than 700,000 homes. This project had an aggressive construction schedule and several specific insulation requirements for the pipe and vessel application. The insulation had to provide high-compressive strength, optimize corrosion defense, be readily available and cost-effective.

As one of the only insulations available that meets all four criteria, Thermo-12® Gold became the primary product of choice. Thermo-12 Gold not only has exceptional compressive strength, but it inhibits CUI with the proprietary XOX™ chemical package and can handle high impact, high temperatures and high humidity with ease.

APPLICATION

High-temperature systems for 655 MW combined-cycle gas turbine power plant.

PRODUCT

Thermo-12 Gold calcium silicate

LOCATION

Newark, New Jersey

OWNER

Hess Corporation / Energy Investor Funds

ENGINEER

SNC-Lavalan

CONTRACTOR

Atlantic Plant Services

DISTRIBUTOR

Insulation Materials Corp.

PROBLEM

Durable high-temperature insulation required for new natural gas power plant.



SOLUTION

Thermo-12 Gold calcium silicate with XOX Corrosion Inhibitor



THERMO-12 GOLD:

WHY IT WAS SELECTED:

- Exceptional Strength and Durability
- Low Thermal Conductivity
- XOX™ Formulation Inhibits Corrosion
- Ideal for High-Abuse Environments

Industrial Insulation Group, LLC
Please visit our website at www.jm.com/industrial

CUSTOMER SERVICE, TECHNICAL & GENERAL INFORMATION
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