

HUD - Housing Project Case Study - Below Grade Waterproofing

Fast curing, moisture-preventing application designed to prevent water infiltration into sub-structure.



CUSTOMER

HUD Housing Project
Below Grade Waterproofing
Baltimore, MD
1997

PROJECT TEAM

EcoSeal, LLC.
EcoSeal, LLC. - Contractor.

PROJECT OVERVIEW

In 1997, The Department of Housing and Urban Development (HUD) was approached regarding their construction of several low income housing buildings that required a below grade moisture barrier. In building these type of structures, they were seeking a superior, yet easily and quickly applied water/moisture barrier for the below grade walls. Time and cost were major concerns, so HUD contracted with Rhino for the installation of the ES 200 Waterproofing System. Not only does the ES 200 provide a great waterproofing barrier, it also acts as an additional adhesive and complements the mortar utilized in the construction of the walls. To date, there have been no moisture intrusion events with this system.

CONSIDERATIONS

Waterproofing: The ES 200 Waterproofing System was utilized to prevent potential problems associated with moisture/water intrusion into the walls and foundation of the housing project. ES 200's elastomeric, adhesion, and durability properties were ideal to protect the building's infrastructure from water penetration.

Time: The project was behind schedule due to many weeks of rain. The fact that the Rhino membrane is spray applied in a single coat, forms instantly upon contact with the substrate, following all contours, is touch-dry in minutes and achieves complete chemical cure in 24 to 48 hours was another critical benefit from this system.

SYSTEM PRODUCTS

ES 200: Polymer-modified elastomeric system that is specifically formulated for long-term water barrier protection. ES 200 forms a resilient, puncture-resistant, waterproof membrane on almost any substrate.