

# Danville State Hospital

**Danville, Pennsylvania**

**CONTRACTOR – C & D Waterproofing Corp., Bloomsburg, PA**  
**DISTRIBUTOR – TB Philly, Inc., Phoenixville, PA**

**Stone Repair**  
**Exterior Wall Systems**  
**Summer 2007 – Summer 2008**

## PROJECT TASK

To repair deteriorated stucco and restore exterior accents.

## PROJECT SOLUTION

Use a combined scratch and brown coat followed by a finish coat for the stucco, and a colored repair mortar for the brownstone repairs.

## PRODUCTS

Conpro One Coat  
Conpro Stucco  
K-88 Admix  
MIMIC



Top three and bottom left photographs were taken "before and during" and the bottom center and right were taken "after" the work was completed.



## PROJECT HISTORY

Danville State Hospital was constructed in 1869 according to the Kirkbride Plan. Dr. Thomas S. Kirkbride championed humane treatment for the mentally ill. He developed a building design for asylums which optimized light, ventilation, and each patient's view of the grounds. His plan featured long wings connecting to a central administrative hub, and was popular nationally from the mid to late 1800s.

Danville's main building consists of a central structure of exposed serpentine stone, with two primary wings

constructed of stucco covered schist, all with brownstone accents.

Widespread stucco damage prompted this restoration. C & D Waterproofing stripped all areas of deteriorated and delaminated stucco back to original substrate, square cutting edges to an average depth of 1" - 1.5". Conpro One Coat was applied directly to the substrate, without the need for expanded wire mesh. Conpro One Coat may be applied in thicker lifts than traditional stucco, making it the ideal material to replace the original scratch and brown coats.

A finish coat of Conpro Stucco was applied to hide repairs and provide a uniform finish. The stucco restoration was completed with two coats of an acrylic elastomeric paint.

The brownstone accents were repaired with MIMIC, which was slightly overbuilt and then shaved to achieve the same surface texture as the original stone. Simple forms were used to speed installation in some areas. Once cured, the MIMIC was an excellent match, providing a beautiful finishing touch to a unique restoration.