

# Case History:

## X-Shield Roof Restoration System

### Howard Johnson Hotel, Atlanta. Sept. 05

#### The Problem:

The existing roofing system was a 16 year old 8000 ft<sup>2</sup> EPDM fully adhered membrane roof. Constant maintenance and repairs had been completed over the life span of this system. Numerous leaks into the structure had frustrated the management and prime rental rooms were unable to earn revenue because of water damages, falling drywall and the odd odor of mildew. It was determined that bad flashing details, splitting seams and screws from the mechanical attachment of the 1" ISO insulation were backing out and popping through the EPDM membrane



#### The Solution:

The EPDM and 1" ISO insulation was removed down to the bare deck. All materials had to be bagged, taken down a flight of stairs, through a common hallway, down an elevator 17 floors, carried to a utility elevator, hauled 200 feet outside to a waiting dumpster. All new materials were delivered to the roof in reverse order. The specification for the new roof and wall coating was:

- **Primer: X-Shield ProPrime S** (3 mils) a 2 component water based low odor penetrating primer.
- **Base Coat: X-Shield ProFlex One** (3.5 gals/100ft<sup>2</sup>) an aromatic single component amine triggered hybrid polyurea with exceptional adhesion. This product has an internal catalyst built into the polymer formulation.
- **Top Coat: X-Shield ProCoat** (1.5 gals/100ft<sup>2</sup>) a solar reflective white aliphatic single component amine triggered hybrid polyurea with exceptional adhesion. This product has an internal catalyst built into the polymer formulation.



#### Roof Detail Work:

X-Shield ProFlex One Mastic used for penetrations and plane changes. All deck to wall plane changes were double coated and X-Roc CrackMat installed as an inter ply polyester reinforcement. No seams, no fasteners, no plies!

**TOTAL THICKNESS: 70 DRY MIL**

**10 YEAR NO LEAK WARRANTY**