Project Profile

AIR SEAL
INSULATION SYSTEMS

234 6th Street
Brooklyn, NY 11215
T: 718-821-6800
F: 718-821-6801
T: 877-AIRSEAL
www.airsealis.com
info@airsealis.com

Address: 23 Park Place, New York, NY

Size: Three-Story + Basement
7,200 s.f.

System: Open- and Closed-cell spray Polyurethane foam insulation-exterior walls and under roof deck

Date: March 2012

Spray foam insulation contributes to **The Passive House**

The Passive House concept represents today's highest energy standard with the promise of slashing the heating energy consumption of buildings by an amazing 90%. The Passive House standard focuses on 5 main strategies:

1. Insulate strategically

2. Stop thermal bridges

3. Achieve air tightness

4. Install high-performing windows for thermal comfort

5. Reduce mechanical systems with heat recovery ventilation.

"23 Park Place, New York, NY, met the air tightness requirement of a passive house, actually reaching a record "air tightness" level for any NYC passive house", as stated by Architect Julie Torres Moskovitz in an online article published by the Brownstoner (*Stopping in at the Park Slope "Tighthouse"*).

The Architect specified Icynene open and closed-cell insulation for the perimeter walls and under the roof deck.

Creating an air barrier is a smart design solution for those concerned with energy consumption. Stopping air leakage in addition to high R-value is a major factor in evaluating overall energy efficiency. Conventional insulation systems can sag or settle over time leaving room for air leakage. Air leakage causes cooled or heated conditioned air to escape, mechanical equipment to run longer, and energy costs to increase. Spray foam holds its form and doesn't shrink or sag.

Air Seal Insulation Systems is part of the Icynene Licensed Dealer Network and a member of Icynene's Gold Circle of Excellence contractor group. Air Seal installed the insulation system in two phases.

The project included insulation in the exterior walls of the first, second, third floor, and basement. And spray foam insulated under the roof deck.

This is the second Passive House project insulated by Air Seal Insulation Systems.