The 2014 Nanjing Youth Olympic Games will see top young athletes in the world compete and interact on a happy platform. The organizers are determined to present a low-carbon game, with the green concept at the core of all the construction projects. As a result, key buildings, including the Nanjing Youth Olympic Village, are designed to maintain energy efficient, safe, long-lasting and aesthetically pleasing structures, resulting in stringent and demand for unique technologies and innovations that enhance the entire building envelope for maximum performance.

Nanjing Youth Olympic Village is a key construction project to accommodate over 5,000 athletes which contains living quarters, shopping plaza and operation areas. With Dow's one-stop construction solutions, the Village will provide a healthy and comfortable living environment for these athletes during the Youth Olympic Games, and will be converted into a permanent residence after the Game as an ecological livable legacy.

The health and comfort for the young athletes at the Village has been greatly enhanced by Dow FORMASHIELD™ Formaldehyde Abatement Technology. Interior wall coatings using this breakthrough technology, tailor made by Dow for China, can effectively react with the formaldehyde attached to the surface of the coatings to transform it into completely harmless water, thus help to abate formaldehyde from the indoor air, which is critical for athletes to maintain health and peak condition.
Meanwhile, a total of 200,000 square meters of exterior walls of the Nanjing Olympic Village are powered by Dow Waterborne Multicolor coating solution. This breakthrough technology is capable of creating a natural granite- or marble-like appearance, enabling the Village to create a stylish façade with better safety and cost effectiveness over traditional marbles. In addition, application of the Dow Waterborne Multicolor coating solution can help to reduce carbon dioxide emission.

Dow Spray PU roofing material was applied on the roofs of the Nanjing Youth Olympic Village to ensure excellent thermal insulation, minimum heat-loss, waterproofing protection as well as long durability.

**Game-changing Solutions**

Dow FORMASHIELD™ formaldehyde abatement technology (or FORMASHIELD™ Waterborne Acrylic Emulsion) provides a breakthrough solution to interior wall coating:
- Environmental friendliness
- Help to abate formaldehyde in the air
- Improved indoor air quality

Dow Waterborne Multicolor coating solution is a great choice of exterior wall coatings:
- Enriched appearance and design aesthetic
- Better safety and cost effectiveness
- Environmental friendly

Dow Spray PU roofing material offers excellent insulation and protection of waterproofing layers for the roofing:
- Excellent insulation and waterproofing performance
- Extended durability

**How can we change the game for your next challenge?**

Visit Dow Coating Materials, Dow Construction Chemicals, Dow Industrial, Comfort, Energy & Efficiency, and Dow Building Solutions, to learn more about how solutions from Dow can enhance your next application.