

# American Dream

Changsha, China (2014)

## BACKGROUND

The 'American Dream' refers, in part, in the United States to the notion that upward social mobility and success is possible for every individual through hard work. This popular mindset can be seen in an array of different capacities, including where one lives.

The Changsha Depp Real-Estate Development Company has taken this idea to heart with the American Dream Development in Changsha, China. This project is featuring low-density residential homes aspirational American design cues built in two phases.

Moreover, with heavy down-pours evident in a region surrounded by rivers and a growing population, building a development that will last is extremely important. As water is the leading cause of concrete deterioration it was critical to build in a sustainable and durable way. This required the need to identify the best waterproofing solution available.

## SOLUTION

In order to prevent common leaking problems associated with risky external membranes, the project team chose to use Kryton International Inc.'s Krystol products as the waterproofing solution for the parking lot, basement, roof, walls and balconies, which had a total waterproofing area of 28,541 m<sup>2</sup> (307,212 ft<sup>2</sup>) in the Villas and 53,549 m<sup>2</sup> (576,396 ft<sup>2</sup>) in the High Building. In addition, Kryton's Krystol Mortar Admixture™ was used for the outer walls of the Villas, which provided simple installation and superior performance with the ability to self-seal minor cracks and withstand water under pressure. For the basement and walls of the Villas, Kryton's Krystol T1® was applied to prevent the passage of water through capillary pores, micro-cracks and joints. To ensure everything was thoroughly protected, Krystol T2® was used in the basements, roofing and parking lot, ensuring the concrete itself is a waterproof for the lifespan of the development.

The use of both all these products will save the project team time and money so they, in-turn, can live the American Dream along with those lucky enough to become a resident in the development.

### OWNER:

Changsha Dell Real-Estate  
Development Co., Ltd

### ARCHITECT/ENGINEER:

China Machinery International  
Engineering Design and Research  
Institute Co., Ltd

### APPLICATOR:

Sunyong Group/Changsha  
Municipal Construction  
Engineering Group Co., Ltd

### CONTRACTOR:

Sunyong Group

### DISTRIBUTOR:

Hunan Kaidun Waterproof  
Engineering Co., Ltd.

### PRODUCTS:

Learn more at [kryton.com](http://kryton.com)  
Krystol Mortar Admixture™  
Krystol T1® & T2®



**American Dream Villa water protected  
Kryton's Krystol Mortar Admixture and Kry-  
tol T1®**



**The American Dream's High Building.**