



BIRD'S NEST - CHINA



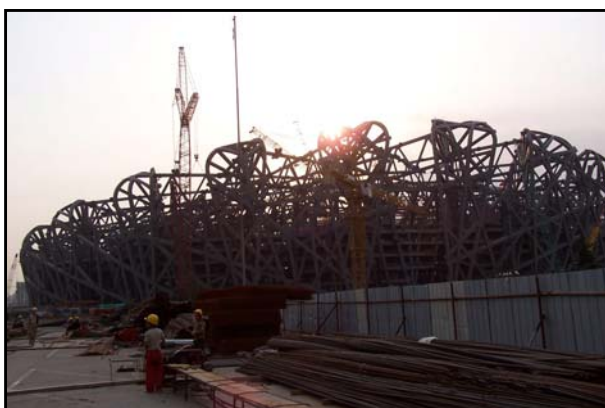
The stadium was designed for use throughout the 2008 Summer Olympics and Paralympics. Located in the Olympic Green, the \$ 423 million stadium is the world's largest steel structure.

The client (project owner) was the National Stadium Steel Structure Office of CITIC International Contracting Inc., a joint venture of CITIC (China International Trust & Investment Corporation) and BUCG (Beijing Urban Construction Group), two of China's largest state owned enterprises.

The main contractor was BUCG Jingong Steel Construction Engineering Co., Ltd.

ZINGA was used on special critical areas (such as complex joints, gutters, and ETFE membrane mounted sections) of the Bird's Nest steel structure which could not be metallised (spray zinc) after welding.

Date of ZINGA application: September ~ December 2006.

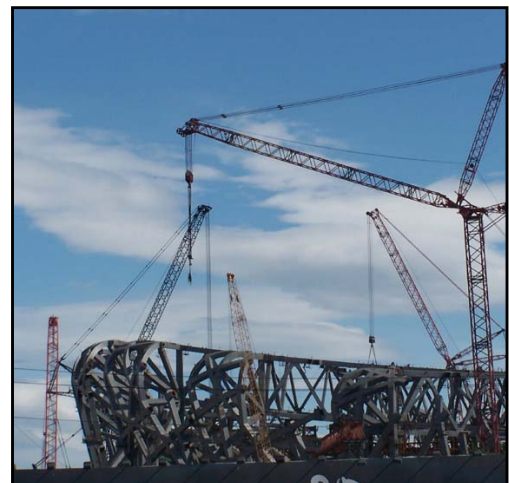




Surface preparation: sand blasting to Sa 3.0;
roughness profile of Rz = 60~70 µm.

Two layers of ZINGA were applied by spray:
total DFT = 80 microns.

Drying times: 48 hrs or more.



An intermediate layer of 100 µm epoxy MIO was spray-applied on top of the **ZINGA** primer layer, followed with a top coat of 60 µm metallic grey fluorocarbon finish (also spray-applied).

System:

Zinga	2 x 40µm DFT (spray applied)
Epoxy MIO	1 x 100µm DFT (spray applied)
Fluorocarbon finish (Metallic grey)	1 x 60 µm DFT (spray applied)