

Project: PROTECTION DURING CONSTRUCTION
Title: Shanghai World Finance Center, China
Date: 2006

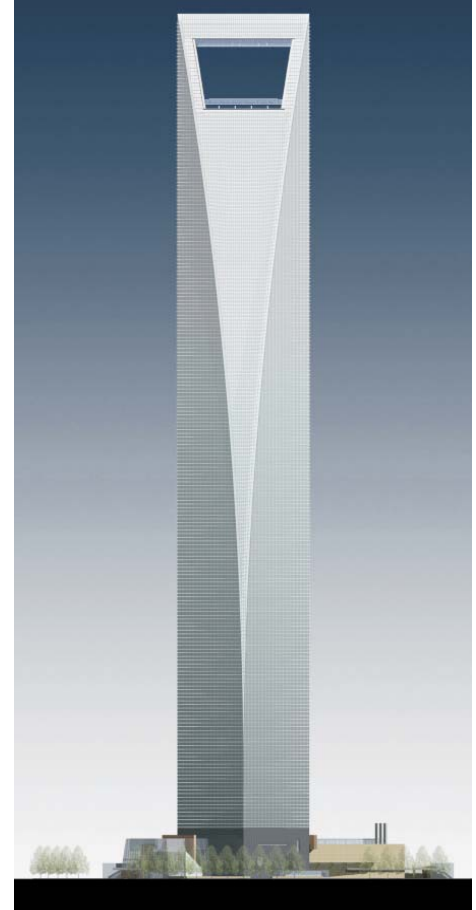
The Shanghai World Finance Center (WFC), currently in construction, will have 101 storeys and be 492m high. Upon completion, it will be the tallest building in the world.

ClearShield, which has been specified for many other high-rise buildings around the world, prevents glass surface degradation during the build programme. ClearShield was factory-applied to all the Shanghai WFC's exterior glass to protect it before, during and after construction.

Glass destruction during construction is a contractors' nightmare and refers to the damage caused by concrete splatter, cement dust, moisture attack and cleaning materials. Alone, or in combination, these substances will damage the surface, often resulting in the need to replace the glass completely - leading to construction delays and costly financial penalties.



Any glass surface contamination is easily removed, reducing costs and lengthy delays



Upon completion in 2008, the building will be the tallest in the world

Exterior glass in high-rise buildings like the Shanghai WFC is under constant attack from moisture and alkalinity – the two main causes of glass corrosion. Ritec's ClearShield System is water repellent and highly resistant to alkalinity from building run-off and hard tap water. It also proves protection against organic contaminants, such as traffic film, fingerprints, bird droppings and tree sap, and inorganic substances, including metal oxides, mineral salts/limescale, moisture and silicone sealant run-off.

In practice, the glass is stain-resistant, easier to clean and keep clean and will look pristine, long after the construction period.

case study