

Hong Kong – Zhuhai - Macao Bridge - CHINA

The Hong Kong - Zhuhai - Macao bridge spans the Lingding and Jiuzhou canals, connecting Hong Kong, Macao and Zhuhai (Guangdong Province), three major cities in the Pearl River Delta.

It has been one of the most advanced, complicated and difficult constructions projects of the highest standards and requirements of all transportation infrastructure projects in China. This big bridge comprises of a combination of bridges, undersea tunnels and 4 artificial islands. The designed service life of the bridge is 120 years.

The total length of the bridge is 55 km – 34 miles.

From 2014 to 2017 a total quantity of **37 tons of ZINGA** has been applied (substituting aluminium-sprayed protection originally designed) on the surface steel plates of the composite truss where the members of the steel truss were designed as box sections and the joints between the members were welded. These 120-m span continuous box girders, located in the non-navigable spans, are seated on precast caissons and integral pier shafts. This simple structural system enables the installation to be implemented in large scale and fast-track mode, as all its major units are standardized and the manufacturing process is industrialized.

The bridge was opened for traffic on 24 October 2018 after its inauguration a day earlier by the Chinese leader Xi Jinping.



System:

ZINGA

2 x 60 µm DFT

