

RAILWAY - MAGLEV TRANSPRAPHIC TRAIN – CHINA

ZINGA was applied on several parts of the **MAGLEV** (MAGnetic LEVitation) Transrapid, the ultra high-speed train that is connecting downtown Pudong to Pudong International Airport.

The **MAGLEV** has a maximum speed of 450 km/h over 37 km.

ZINGA was applied at 150 µm DFT on 1/3rd of 120,000 pieces of steel-made functional apparatus guiding & facilitating the **MAGLEV**'s movements. Quantity of **ZINGA** used = 5 Tons.



ZINGA was also applied on critical steel joints and parts.

System:
ZINGA 2 x 75 µm DFT

The application started in October 2001. The construction parts were manufactured 100 km away from Shanghai. During transport, the pieces that were treated with **ZINGA** were exposed to an enormous degree of pollution. A piece that had not been coated with ZINGA had turned completely rusty during the transport. On the **ZINGA** itself, there was only strong formation of zinc salts, which created an additional barrier protection.

This illustrates how corrosive the atmosphere is in and around Shanghai.