



MAGLEV TRANSPRAPHID RAILWAY - CHINA

The ZINGA was applied on several parts of the Maglev (magnetic levitation) Transrapid ultra high speed train that is connecting the city centre of Shanghai with the Pudong area. The Transrapid is the fastest land vehicle. For distances up to 800 km, the trip does not take longer than with fan aeroplane.



ZINGA was applied on joints and crucial steel components. The rest of the train was treated with a 3 layer paint system, as it was too late to replace the existing specifications by the zingatisation system.

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.

System:

ZINGA 2 x 40 µm