

# PROTECTION OF ROAD COVER PLATES

When mastic asphalt is too heavy, reactive-resin bonded thin coatings can be applied to protect the road surface of the steel bridge. The coating system and the special filler improve the driving characteristics and provide long-lasting protection.

## APPLICATION AREAS

### Roadways:

- Lifting bridges
- Bascule bridges
- Movable bridges

## PRODUCT FEATURES

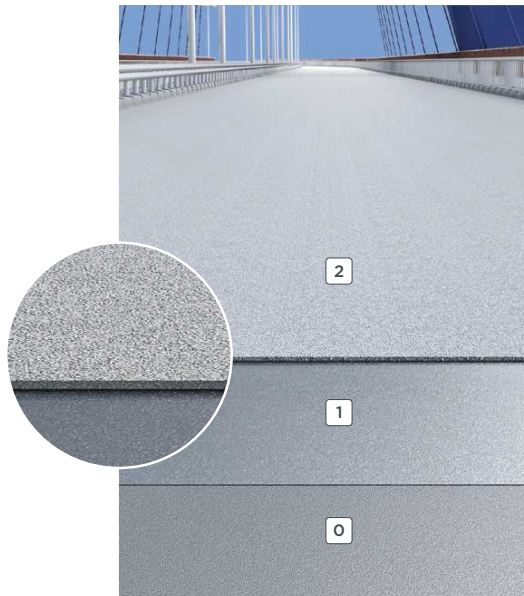
- Corrosion protection for the steel plate
- Reduction of driving noise
- Increase in abrasion resistance in roadways

## COATING SYSTEM

Sealing system for roadways

- 0 Substrate: Steel Sa 2½
- 1 Primer: **Macropoxy® HM Primer Plus**  
2-pack epoxy based primer containing micaceous iron oxide
- 2 Top coat: **Elastomastic™ TFN**  
2-pack, solvent-free, thick-layer epoxy-polyurethane hybrid coating

Filler/broadcasting:  
**Duropol** 2-3 mm, 1:1



The illustration shows an exemplary system.



Steel bascule bridge Donggang, Taiwan, 2011

# PROTECTION OF PAVEMENTS

Reactive-resin bonded thin coatings have been used for decades for pavement and bike path bridges. Quartz sand improves the resistance and long-term protection of this organic coating regarding regular pedestrian and bicycle traffic.

## APPLICATION AREAS

### Sidewalks and bike paths:

- Pedestrian footbridges
- Stairways
- Bicycle bridges

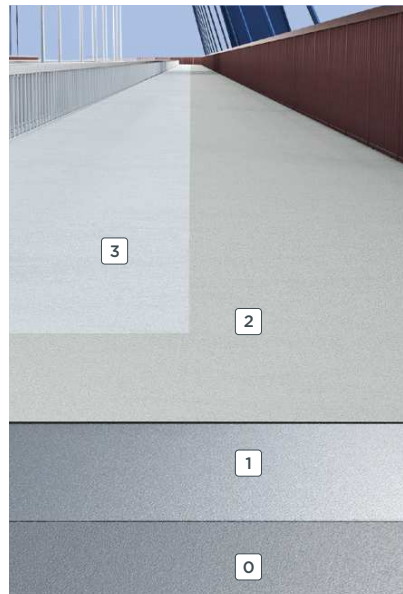
## PRODUCT FEATURES

- Corrosion protection for the steel plate
- Slip resistance for footpaths and bicycle tracks

## COATING SYSTEM

Sealing system for footpaths and bicycle tracks

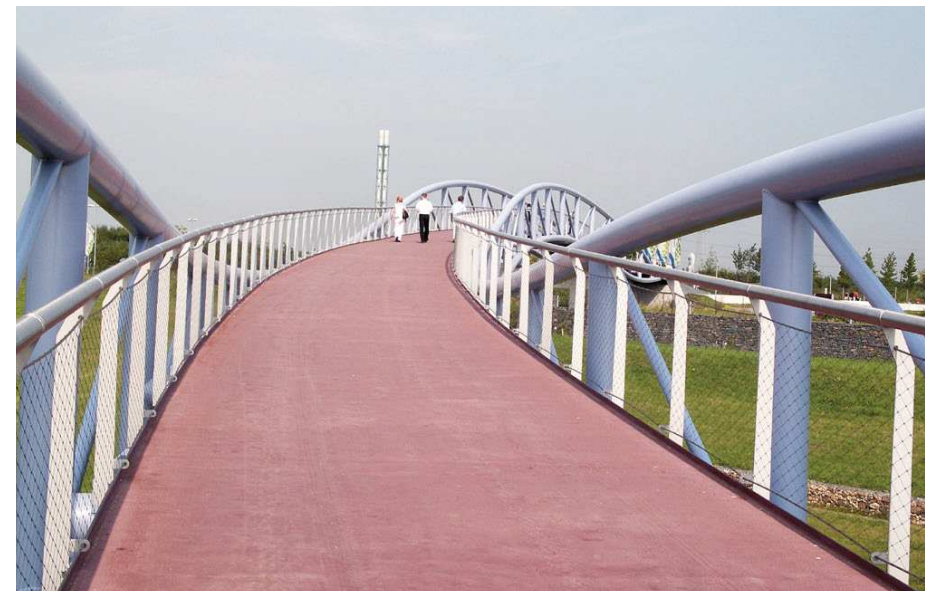
- 0 Substrate: Steel Sa 2½
  - 1 Primer:  
**Macropoxy® HM Primer Plus**  
2-pack epoxy based primer containing micaeous iron oxide
  - 2 Top coat: **Elastomastic™ TFN**  
2-pack, solvent-free, thick-layer epoxy-polyurethane hybrid coating
- Filler/broadcasting:  
**Durop** 2-3 mm, 1:1
- 3 Sealing (optional): **Acrolon® EG-5**  
2-pack acrylic-polyurethane, in RAL-colour shades



The illustration shows an exemplary system.



Pedestrian bridge across the Eisack Bolzano, Italy, 2008



Pedestrian and cycle path bridge Leverkusen, Germany, 2005