

References

Sector:

Bridges

Vorderrhein Bridge, Tavanasa/GR	2006
Renovating the corrosion-protection / coating for orthotropic deck	
Systems: corrosion-protection: 2-component epoxy resin / PUR coating roadway deck: 2-component epoxy resin adhesive compound	
<p>Enhanced performance by a reduction in weight By replacing the heavy concrete roadway slab by a much lighter steel construction the load-bearing capacity of older bridges is increased and it makes them suitable for today's demands of heavy traffic. What is important here – besides the corrosion protection – is the optimal bonding between the steel and the working layer of the roadway (usually a bitumen coating). Eclatin offers the solutions. Ask us!</p>	



The steel bridge, listed as a protected historic monument, was given a complete renovation, as commissioned by the cantonal government of Graubünden.

For this the abutment was replaced as well as several damaged steel parts, before the whole construction was given a new anti-corrosion protection.

In addition to this the concrete roadway-slab had to be replaced by an orthotropic deck, which makes crossing the bridge with greater loads possible.



Coating the orthotropic deck: >

The system used,

- **ECLON EP Iron Mica** (> 80 µm)
- **ECLON EP Adhesive Compound** (> 1,000 µm)

complies with the standards for technical conditions of delivery for building materials used in sealant layers for steel bridge surfaces (**TL-BEL-ST92**)

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