Infrastructure

Highways

- Road reinforcement: Fortifix®/Mesh Track®
- In-situ concrete barriers: 3-wire PC strands and 7-wire PC strands

Key trends

- Target to reduce CO_2 - **sustainability**
- Further **urbanization** in developing countries
- **Rehabilitation** – need for repair and strengthening of existing structures in developed countries
- **Safety/quality/reliability** of the structure = Peace of mind & safety during construction on the job site
- Increasing traffic, higher **safety** requirements

Infrastructure

Highways

In-situ concrete barriers for higher safety

3-wire & 7-wire PC strands

Challenges

- **Production efficiency** – strand straightness
- **Good relaxation** - strands don‘t unravel when cut,
- Fitness for **high-speed assembly lines**
- Minimizing frequency and involved **cost of repairments/maintenance**
- **Minimum interruption time** in case of repair or maintenance of the highways
- **Easy installation** in unsafe conditions

Benefits

- Efficient downstream processing
- Delivery of consistent quality
- longer lifetime thanks to a complete portfolio of coatings to cope with all corrosive environments (galvanized and Bezinal®3000)
- Partner for co-development
- Specific make-up wooden drum allows having the 2 required lengths on one unit
- Beneficial cost to weight/space ratio

Bekaert

Infrastructure

Highways

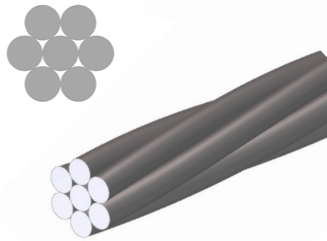
In-situ concrete barrier strands

3-wire & 7-wire PC strands

Product features

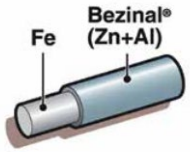
3 – wire galvanized/Bezinal®3000 strand

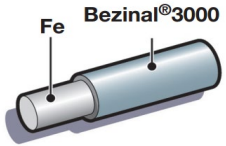
- With our prestressing 3- wire strands you can reinforce your cast-in-situ concrete barriers for higher safety on the road
- Low relaxation galvanized strands
- Bezinal®3000 coating for maximun corrosion life



7 - wire Post -Tensioning strand

- 7-wire strand for barrier cables - Galvanized, Bezinal®





Want to know more?

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