

# STEELMIX

## Steel Wire for Concrete Reinforcement

### DESCRIPTION

Low-carbon **steel wire**, produced especially for concrete by cold drawing method to provide **high flexural** and **impact strength** in **concrete**.

### APPLICATION AREAS

- All types of open and closed field floor concrete,
- Prefabricated elements, concrete pipes,
- Shotcrete applications,
- Anti-seismic structures.

### TECHNICAL PROPERTIES

Appearance	Grey steel wire
Elongation at Rupture	< 2%
Wire Drawing Strength	-1100 N/mm <sup>2</sup>

### ADVANTAGES

- Provides high resistance to impacts.
- Increases flexural strength by 50 - 70%.
- Provides strength against shrinkage and high resistance to dynamic loads and fatigue.
- Prevents crack formation and widening.
- Economical, increases construction speed.

### CONSUMPTION

Can be used 10 – 45 kg in 1 m<sup>3</sup> concrete depending on requirement.

### PACKAGING

25 kg packages

## APPLICATION

### MIXTURE AND APPLICATION

- Add STEELMIX into the concrete mixer in little amounts. Otherwise, steel wires may cause agglomeration.
- Concrete with STEELMIX can be pumped with standard concrete pumps.

### CAUTION

- The use of STEELMIX may reduce the fluidity of concrete. It is recommended to add a concrete plasticizing admixture instead of more water to increase viscosity.
- Low water/cement ratio, correct cement and aggregate dosage and curing of the concrete after application are required for good results.



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## Technical Data Sheet (TDS)

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### HEALTH AND SAFETY

During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at  $23\pm 2^{\circ}\text{C}$  temperature and  $50\pm 5\%$  relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.