

**LANKO**



### CHARACTERISTICS

- **Excellent protection of steel against corrosion.**
- **Fast concrete penetration.**
- **Can be sprayed onto the surface of concrete.**
- **Colourless/odourless solution.**
- **Solvent-free.**
- **Does not form a film.**

### DESCRIPTION

761 LANKOSTEEL is a corrosion inhibitor which acts by impregnating the concrete to which it is applied. It offers a very high level of protection against steel corrosion and penetrates the concrete very rapidly.

761 LANKOSTEEL protects steel against corrosion by provoking a chemical reaction on the surface of the steel rebars. It interrupts the electrolytic current thus resulting in a sharp reduction of corrosion. It is totally environment-friendly and does not form a barrier to water vapour.

761 LANKOSTEEL provides effective protection at all times-even in highly humid conditions.

### USES

761 LANKOSTEEL is suitable for the treatment of the following substrates :

- all types of concrete : reinforced, in-situ, precast, prestressed.
- carbonated concrete with corroded steel.
- concrete with insufficiently-coated steel.
- concrete which has been contaminated by chlorides (e.g. de-icing salt, sea air)

### SPECIFICATIONS

- |                     |  |
|---------------------|--|
| • Appearance        | : Colourless and odourless liquid<br>Ready-to-use organo-mineral product (do not dilute),<br>Non-flammable |
| • Chemical Base     | : phosphate product in aqueous phase   |
| • Density           | : 1.03   |
| • pH                | : 7-9  |
| • Viscosity at 20°C | : 1.1 mPa/s  |



### CONSUMPTION

600-800 g/m<sup>2</sup>,  
i.e. 200 g per stroke.

### PACKAGING

- 20 litre bottle.
- 215 litre barrel.

### STORAGE

1 year from date of  
manufacture if stored in  
unopened original packing  
in dry, frost-free conditions.

### WORK INSTRUCTIONS

#### Substrate preparation

- The substrate must be free of all traces of oil, grease, laitance etc.
- Pick out cracked concrete and remove any non-adherent fragments in order to obtain a clean and sound surface.
- Remove any paint which may have been applied.
- Wash the surfaces to be treated with high pressure hot or cold water.

#### Application

- Apply 761 LANKOSTEEL with a low pressure sprayer, a roller or a brush, with a minimum of 3 or 4 consecutive strokes, depending on the porosity of the concrete.
- 24 hours after application, 761 LANKOSTEEL will have completed the penetration process.
- Finish the treatment by rinsing the entire surface with clean water, including areas which may have been coated with the product (railings, windows, door frames, etc.).

#### Efficacy controls

- Controls must be carried out by an approved laboratory, using the core sampling technique (average of 1 sample for every 250 m<sup>2</sup>, with a minimum of 3 core samples)
- The minimum concentration of 761 LANKOSTEEL is 0.001% of the weight of the concrete at the point at which its action is required (i.e. on steel).
- For the treatment of chloride-contaminated concrete, the ratio of 761 LANKOSTEEL to chlorides must be equal to 1.

#### Compatibility

- 761 LANKOSTEEL is compatible with all Lanko repair mortars. These may be applied immediately after application of the inhibitor.
- 761 LANKOSTEEL can be painted over (check the manufacturer's technical data sheet).

### PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Application reserved for concrete repair specialists.
- Stir the product prior to application.
- Clean tools with water.
- 761 LANKOSTEEL should be applied prior to concrete repairs.
- Do not apply to a frozen or thawing substrate.
- Store in frost-free conditions.