

**LANKO**



**CHARACTERISTICS**

- **Fast hardening.**
- **High mechanical strength.**
- **Easy application, even at low temperatures.**
- **Quick opening to traffic.**

**DESCRIPTION**

712 LANKOROAD RAPIDEX is a ready-to-wet mortar composed of sand, special cement and admixtures.

**USES**

- Sealing of sight holes, manhole covers, trapdoor frames, telecom hatches, street furniture, signposts.
- Repairs to industrial flooring, concrete walkways and roads, pot-holes, undercuts.
- Bed-face for high-traffic paving and road surfaces.

**SPECIFICATIONS**

- Appearance : Grey powder.
- Particle size : 0-4 mm.
- Bulk density : 1.4 ± 0.1
- Pot life : 30 minutes maximum.

**Setting time\***

Temperature	+5°C	+20°C	+30°C
Initial	2 h 00	0 h 40	0 h 20

**Compressive strength : ASTM C109\***

2 hours	20 MPa
6 hours	35 MPa
1 day	40 MPa
7 days	45 MPa
28 days	50 MPa

**Tensile strength : ASTM C190\***

7 days	2 MPa
28 days	2.5 MPa

\* Average laboratory values provided as a general guide

**WORK INSTRUCTIONS**

**Mortar preparation**

- Machine-mix or hand-mix 712 LANKOROAD RAPIDEX with clean water for 3 minutes minimum until evenly distributed.

**Micro-concrete preparation**

- For thickness over 30 mm, 712 LANKOROAD RAPIDEX should be used as a micro-concrete.
- Micro-concrete is made up by adding 10-20 litres of clean, damp 3/8 or 5/10 aggregate for each 25 kg bag of 712 LANKOROAD RAPIDEX.

**Sealing a sight hole**

- Clear out using sharp vertical cuts
- Clear down to the capping or to a solid rim (removing old bed face)
- Remove dust and thoroughly rinse the cleared-out area. Ensure that the surface is left damp.
- Remove any remaining dirt and loose particles.
- Insert pre-prepared formwork.
- Remove residual water.
- Lay bed face, position frame.
- Block by filling ring with 712 LANKOROAD RAPIDEX.
- Press down firmly.
- Level off 712 LANKOROAD RAPIDEX at road level.
- Smooth grain of bearing surface.
- Float.
- The top few centimetres can be coloured to match the road surface (never colour the entire mass) by finishing with traditional mortar once the 712 LANKOROAD RAPIDEX has hardened.



### PACKAGING

- 25kg bag

### STORAGE

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

### Repairs to industrial floors and concrete walkways

- Substrates must be sound and resistant.
- A preliminary study must be carried out on cracked substrates.
- Mark the boundaries of the area to be repaired, preferably by sawing.
- Remove damaged material to leave a thickness of 2 cm with clean ridges. Loose particles must be raked out and all traces of grease and oil removed.
- Dust and rinse thoroughly.
- Fill the cleared area with water and soak for several hours.
- Remove residual water.
- Make up a micro-concrete with 712 LANKOROAD RAPIDEX.
- Apply the micro-concrete with a poker or tamper.
- Smooth the surface of the micro-concrete with a trowel.
- The mortar surface must be treated with a protective coating (361 LANCURE).
- Foresee the need for intermediate joints and respect the existing structural joints.

### Dosage / Yield

#### Pure mortar

712 LANKOROAD RAPIDEX	1 bag	25 kg
Water	3.3-4	litres
Workable mortar	13	litres

#### Micro-concrete

712 LANKOROAD RAPIDEX	1 bag	25 kg
3/8 aggregate	10	litres
Water	3.3-4.3	litres
Workable mortar	20	litres
712 LANKOROAD RAPIDEX	1 bag	25 kg
3/8 aggregate	20	litres
Water	5.3-6.3	litres
Workable mortar	25	litres

### PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Do not apply to a frozen or thawing substrate.
- In hot temperatures 712 LANKOROAD RAPIDEX should be mixed with cold water.
- Apply only to clean, sound resistant substrates, free of loose material.
- Substrate must be soaked for several hours prior to application.
- Residual water must be removed prior to application.
- Surfaces must be protected from air with 361 LANCURE once setting starts.
- Do not mix with other hydraulic binders.
- Sand and admixtures must not be added.