



LANKO

712 ROAD RAPIDEX



Repairing
and Grouting

NON-SHRINKING FIBRE MORTAR FOR QUICK
REPAIRING OF ROAD



CHARACTERISTICS

- Fast setting and quick opening to traffic.
- High compressive strength.
- Compressive strength up 200 KSC. after 2 hours, 350 KSC. after 6 hours, up to 500 KSC. after 28 days.

DESCRIPTION

A premixed cementitious non-shrink grout.

USES

- Sealing of hole, manhole cover, trapdoor frame, street furniture.
- Repairs to concrete walkways and roads.
- Bedding for high-traffic paving and road surface.

DOSAGE

Mixing	LANKO 712 ROAD RAPIDEX	Aggregate 3/8"	Water (Litres)	Workable mortar
Pure Mortar		Aggregate 5/10"	3.3 - 4	13 Litres
Micro-concrete		10 Litres	3.3 - 4.3	20 Litres
Micro-concrete	1 bag 25 kg.	20 Litres	5.3 - 6.3	25 Litres

WORK INSTRUCTIONS

Surface Preparation

1. Surface must be clean and without any trace of oil, laitance, curing compound, damaged concrete or paint.
2. In case of sealing, material that will be sealed must be clean without any trace of oil or any curing compound.
3. For repairing application, damaged concrete must be removed before applying. Area of application should be within 4 sq.m and application thickness must be at least 20 mm.
4. Damp the surface before application.



High Compressive
Strength



Fast Setting



Road Repairing

PACKAGING

- 25 kg. bag.

STORAGE

- 1 year from date of manufacture if stored in unopened original packaging in dry condition.

ISO 9001
ISO 14001
ORSAS 10001
BUREAU VERITAS
Certification



Product Preparation

1. The quantity of water used depends on the consistency required.
2. Mixing should be carried out as follows by machine mix with recommended speed at 500 rpm.
3. Mixing time : at least 3 minutes or required consistency is obtained.
4. Leave the mixture to stand for 1 – 3 minutes.
5. Do not add water after mixing.

Application

Sealing

1. In case of large hole, micro-concrete should be used. Use rod or strap to assist the flow of grout if needed.
2. Diameter of hole must not exceed 50-60 mm. of material that need to be sealed.
3. Damp the area prior to application.
4. Position the material in the hole and cast the mortar.
5. Pour grout into prepared area until completely filled.

Repairs to industrial floor and concrete walkway

1. 1.Cure the concrete and formwork with clean water. Remove the residual water prior to application.
2. Pour grout into prepared area until completely filled.
3. Use rod or strap to assist the flow of grout if needed.
4. Smooth the surface with a trowel.

Curing

1. When mortar begins to set, cure with curing compound (e.g. LANKO 361 CURE)
2. Curing is critical process to prevent cracking from hydration heat.

SPECIFICATIONS

Particle Size, max.	: 0-4 mm.
Bulk Density (kg./L.)	: 1.4-1.5
Pot Life (min.)	: 30
Initial setting (min.)	: 10
Final setting (min.)	: 30

Bonding at 28 Days-Adhesion (MPa)	Evaluation
EN 1542 initial bonding (7 days to concrete)	> 0.5
EN 1542 initial bonding (28 days to concrete)	> 1

Flexural Strength ASTM C348 (Pouring) (MPa)	Evaluation
1 Days	> 6
3 Days	> 8
7 Days	> 9
28 Days	> 10

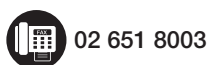
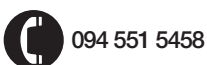
Compressive Strength ASTM C109 (Plastic) (MPa)	Evaluation
1 Day	> 30
3 Days	> 35
7 Days	> 40
14 Days	> 45
28 Days	> 50

Shrinkage ASTM C1090	Evaluation
1 Day	0- +0.3%
3 Days	0- +0.3%
14 days	0- +0.3%
28 Days	0- +0.3%

Specimens of Cementitious Mixtures ASTM 827 : 0-4%

PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Do not use a concrete vibrator.
- Do not mix with other product.



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