



BUILDING TRUST



## PRODUCT DATA SHEET

# LANKO 712 ROAD RAPIDEX

### NON-SHRINKING FIBRE MORTAR FOR QUICK REPAIRING OF ROAD

#### 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.

#### CHARACTERISTICS / ADVANTAGES

- 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.

#### PRODUCT INFORMATION

Packaging	25 kg / bag
Appearance / Colour	Grey Powder
Shelf life	12 months from date of production.
Storage conditions	Keep in unopened, undamaged original packaging and protected from direct sunshine in dry condition.
Density	1.4 - 1.5 kg /L
Maximum grain size	4 mm.

#### TECHNICAL INFORMATION

Compressive strength	Plastic Consistency (MPa)		(ASTM C109)
	1 day	> 30	
	3 days	> 35	
	7 days	> 40	
	14 days	> 45	
	28 days	> 50	
Tensile strength in flexure	Pouring Consistency (MPa)		(ASTM C348)
	1 day	> 6	
	3 days	> 8	
	7 days	> 9	
	28 days	> 10	

**Tensile adhesion strength**

	<b>Bonding to Concrete (MPa)</b>
7 day	> 0.5
28 day	> 1

(EN 1542)

**Shrinkage**

&lt; 0.4%

(ASTM C1090)

**APPLICATION INFORMATION**

<b>Mixing ratio</b>	<b>Mixing</b>	<b>Lanko 712 Road Rapidex</b>	<b>Aggregate 3/8" or Aggregate 5/10"</b>	<b>Water (Litres)</b>
	Pouring	1 bag 25 kg	-	3.3 - 4
	Micro Concrete	1 bag 25 kg	10 Litres	3.3 - 4.3
	Micro Concrete	1 bag 25 kg	20 Litres	5.3 - 6.3
<b>Consumption</b>	Approx. 2 kg of powder for one litre of mortar. For 1 m <sup>3</sup> of mortar approx. 77 x 25 kg bags and 280 litres of water.			
<b>Pot Life</b>	30 min.			
<b>Initial set time</b>	10 min.			
<b>Final set time</b>	30 min.			

**BASIS OF PRODUCT DATA**

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**IMPORTANT CONSIDERATIONS**

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

**ECOLOGY, HEALTH AND SAFETY**

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

**APPLICATION INSTRUCTIONS****SUBSTRATE QUALITY / PRE-TREATMENT**

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.

**MIXING**

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. 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 TREATMENT

LANKO 712 ROAD RAPIDEX cures with low shrinkage. To prevent premature drying out of the mortar, keep it moist if exposed to strong sunshine and wind. Standard curing methods are recommended.

## CLEANING OF EQUIPMENT

Clean all tools and equipment with water immediately after use. Hardened mortar can only be removed mechanically.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

### Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi  
Industrial Estate, T. Klong Tamhru  
A. Muang, Chonburi 20000, Thailand  
Tel : +66 3810 9500  
E-mail : sikathai@th.sika.com  
Website: tha.sika.com



### PRODUCT DATA SHEET

LANKO 712 ROAD RAPIDEX  
June 2021, Version 01.01  
020201010030000131

LANKO712ROADRAPIDEX-en-THLANKO-(06-2021)-1-1.pdf