

## CONCRETE REPAIR WORK

- **FIBRE-REINFORCED SHRINKAGE COMPENSATING RESTORATION MORTAR**



### PRODUCT FEATURES

- ▶ Application thickness: 3-50 mm per coat
- ▶ Can be applied thickly
- ▶ Contains CL 90 hydrated lime

### CONSUMPTION

- ▶ 1.9 kg/m<sup>2</sup> per mm thickness

### PACKAGING

- ▶ 25 kg long storage bag

### STORAGE

- ▶ 12 months from date of manufacture if stored in unopened original packing in dry conditions

### WARRANTY

Manufacturer's liability

**TECHNICAL ASSISTANCE:** ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

**TECHNICAL DATA SHEET ISSUED - September 2017**

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at [www.parexlanko.com](http://www.parexlanko.com)

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# PAREXLANKO

# 734 LANKOREP PATRIMOINE



### DESCRIPTION

- Restoration mortar composed of sand, special binders, fibres, hydrated lime and admixtures.

### USES

- Restoration of old buildings, concrete structures, listed buildings and civil engineering structures such as bridges, tunnels etc...

### SPECIFICATIONS

- Active ingredients including hydraulic binders and synthetic fibres. No metal particles.
- Grey, ready-to-mix powder
- Particle size: 0-1 mm
- Hardened product density: 1.9
- Abrams cone slump: 2 cm
- Mortar pH: 12.5
- Dynamic elasticity modulus: 15 GPa
- Hydraulicity index: 0.20
- Soluble salts: < 0.1%

### PERFORMANCE CHARACTERISTICS

- Pot life: 30 min approx. at + 20°C
- Compliant with EN 1504-3 Class R2
- Setting time (1)

Temperature	+ 5°C	+ 20°C	+ 30°C
Initial setting	6 h 30	2 h	2 h
Final setting	8 h	3 h 20	2 h 30

- Mechanical strength (2) (MPa)

Period	1 day	7 days	28 days
Flexural	2	3	4.5
Compressive	5	15	21

### INSTRUCTIONS

#### ■ SUBSTRATE PREPARATION

- Ensure that the substrate is free of any traces of plant-based or mineral pollution, e.g. grease, oil, laitance, etc...
- Remove loose and damaged concrete by means of a suitable tool in order to obtain a clean, rough surface.
- Clear out concrete around corroded rebars in order to create space for inserting the product behind and around them. The boundaries of the surface to be repaired must be clearly defined.
- Brush, scrape or sandblast corroded rebars in order to remove non-adherent rust.
- Dust off all surfaces to be repaired.
- Soak the substrate prior to application (substrate must be damp but not seeping with water).

#### Rebar passivation

- As required, by local application of:
  - a slurry of **734 LANKOREP PATRIMOINE** mixed with pure **751 LANKO LATEX** resin,
  - a passivating paint **760 LANKOPASSIV**
  - or, overall treatment by spray application of a corrosion inhibitor **761 LANKOSTEEL**.

#### ■ MORTAR PREPARATION

- The mortar is made up by mixing **734 LANKOREP PATRIMOINE** with clean water.
- Mix by hand with a trowel and trough or by machine (cement mixer or electric mixer).
- Mix for at least 3 minutes until a homogenous mixture has been obtained.
- No water must be added during application.

#### ■ MORTAR APPLICATION

- Apply a first coat of **734 LANKOREP PATRIMOINE** with a trowel, pressing firmly to ensure effective bonding, building up to a maximum thickness of 50 mm in one single operation.
- Dosage / Yield

Quantity	1 x 25 kg bag
Water	5.1 litres
Final volume	13 litres

(1) Average laboratory values provided as a general guide.

(2) Tests carried out on 4 x 4 x 16 cm samples kept at 20°C and 90% relative humidity. Average laboratory values provided as a general guide.

### PRECAUTIONS

- Temperature range for use: + 5°C to + 35°C.
- Do not apply to a frozen or thawing substrate.
- Apply only to clean, sound, resistant substrates, free of loose material.
- Not suitable for use for thin surface repairs (rendering)
- Active cracks should be treated separately following a survey by the project manager.
- Soak the substrate prior to application.
- After finishing, protect the mortar from drying out by applying **742 LANKOCURING**, taking care to moisten but not soak the surface.
- Refer to the Safety Data Sheet.