



PRODUCT FEATURES

- ▶ Application thickness: 15-250 mm maximum
- ▶ Formwork removal after 4 hours at +20°C
- ▶ NF030 "Repair products" label

CONSUMPTION

- ▶ 2.2 kg/m² per mm thickness

REFERENCE DOCUMENTS

- ▶ Approved «Repair Product» in accordance with Standard NF030
- ▶ CE Performance Statement

PACKAGING

- ▶ 25 kg long storage bag

STORAGE

- ▶ 9 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.

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PAREXLANKO

780 LANKOREP FLUIDE



DESCRIPTION

- Pourable, shrinkage-compensating repair mortar composed of aggregates and special cements.

USES

- Non-vibration restructuring of damaged elements: pillars, beams, slabs, posts, dam aprons.
- Reinforcement of weakened structures: balconies, overhangs, cornices, etc
- Tie and clamp casting.
- Keying of knots in beams, pillars and posts.
- Sporadic floor repairs.

SPECIFICATIONS

- **Active ingredients:** hydraulic binders and synthetic fibres with no metal particles.
- **Grey ready-to-mix powder**
- **Particle size:** 0-5 mm
- **Hardened product density:** 2.1

PERFORMANCE CHARACTERISTICS

- **Pot life:** 30 min at +20°C
- **Compliant with EN 1504-3 Class R3**
- **Setting time (1)**

Temperature	+20°C
Initial setting	45 min
Final setting	1 h 30

- **Mechanical strength (2) (MPa)**

Period	4 h	24 h	7 days	28 days
Flexural	3	5	5.5	7
Compressive	8	20	35	50

INSTRUCTIONS

■ SUBSTRATE PREPARATION

- Ensure that the substrate is free of any traces of plant-based or mineral pollution, e.g. grease, oil, laitance, etc...
- Substrate must be at least 28 days old and offer a cohesive performance of at least 1 MPa in direct traction.

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

(2) Tests carried out in compliance with Standard EN 12190. Average laboratory values provided as a general guide.

■ PRECAUTIONS

- Temperature range for use: +5°C to +35°C.
- In low temperatures initial setting times and formwork removal times will be significantly longer
- Do not apply to a frozen or thawing substrate.
- Protect exposed surfaces with a suitable curing product as soon as setting begins.
- Do not mix with other hydraulic binders.
- Refer to the Safety Data Sheet.

- 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 **780 LANKOREP FLUIDE** 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 **780 LANKOREP FLUIDE** 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

- In view of its fluid consistency, **780 LANKOREP FLUIDE** is applied by pouring onto a damp substrate from which all surface water has been removed.
- If formwork is used, it must be completely watertight.
- **780 LANKOREP FLUIDE** must not be subjected to vibrations.
- **Dosage / Yield**

Quantity	1 x 25 kg bag
Water	3.75 litres
Final volume	12.5 litres