

# 736 LANKOCRETE RÉSEAUX



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## PRODUCT FEATURES

- ▶ Reinforcement of sanitation and water conveyance systems
- ▶ Reinforcement and repairs to foundations and diaphragm walls
- ▶ Can be applied in large thicknesses up to 80 cm

## CONSUMPTION

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

## REFERENCE DOCUMENTS

- ▶ CNR test report
- ▶ 736 FIBRE / NON-FIBRE: Certificate of compliance with decree dated 29 May 1997 pertaining to «Materials in contact with drinking water» granted by Nancy IRH laboratory
- ▶ Compliance report with potable water #12 CLP NY 013
- ▶ CE performance statement

## DESCRIPTION

- Mortar composed of special cement, sand, synthetic fibres and admixtures.

## USES

- Coating of vaults and abutments of underground constructions (pipes, tunnels, oval drains, etc.).
- Repairs to foundations and diaphragm walls
- Spray reinforcement of conveyance systems.
- Rejointing of masonry structures.
- Restructuring of underground constructions.

## SPECIFICATIONS

- Active ingredients including special cement and admixtures. Chloride-free and no metal particles
- Particle size: 0-4 mm
- Hardened product density: 2.2
- Mortar pH: 12.5

## PERFORMANCE CHARACTERISTICS

- Pot-life: 50 min at + 20°C
- Compliant with EN 1504-3 Class R2
- Setting time (1)

Temperature	+ 20°C
Initial setting	4 hrs
Final setting	5 hrs

- Mechanical strength (2) (MPa)

Period	1 day	7 days	28 days
Flexural	3.5	6.5	7.5
Compressive	15	40	60

- Abrasion resistance (3)

CNR index	at 28 days
736 LANKOCRETE RESEAUX	< 3
Granite	0.35 to 0.8
Glass	1
Common B25 concrete	3

Values provided for comparative purposes. The lower the CNR index, the greater the abrasion resistance.

## Bonding performance

- EN 1542 Initial bonding strength: > 1 MPa
- EN 13687-1 Bonding strength after freeze/thaw cycles: > 0.8 MPa
- EN 13687-2 Bonding strength after thunder/shower cycles: > 0.8 MPa
- EN 13687-4 Bonding strength after dry thermal cycle: > 0.8 MPa

## INSTRUCTIONS

### ■ SUBSTRATE PREPARATION

- Substrates must be clean, sound and laitance-free and well-saturated but not running with water.
- On masonry, prick up non-adherent and low mechanical strength elements. Wash and rinse the substrate in order to remove dust and ensure that it is well-dampened (minimum surface cohesion = 1 MPa).
- In view of the fact that 736 LANKOCRETE RESEAUX is highly resistant, ensure in advance that the substrate is compliant.

### ■ MORTAR PREPARATION

- Mix the product with water using the spraying machine or a cement mixer.
- Mix for at least 3 minutes until evenly distributed.
- Do not add any water after mixing.

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## 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

## ■ PRODUCT APPLICATION

- Spray with a screw pump (P11 or similar) onto the surface using a flexible starting from Ø 50 to Ø 35 minimum.
- Standard nozzle diameter: 16 mm.
- Lubricate the tubes with a Portland cement slurry.
- Spray an initial coat of 10-30 mm maximum (for smooth concrete, please refer to «Precautions»).
- For thicknesses of more than 30 mm apply in advance a galvanized metallic reinforcement.
- Spray one or more coats as required (after previous coat has stiffened).
- Redampen the surface in the event of a long interval between applications.
- Pack and tamp masonry joints and apply several successive thick coats.
- The mortar can also be applied using a Sablon spray gun.
- For large surface areas, comply with instructions for contraction joints.
- **736 LANKOCRETE RESEAUX** can be smoothed, floated or left as sprayed.
- Protect from drying out by spraying water mist or **742 LANKOCURING** or by applying a polyethylene film to the fresh mortar.
- **Dosage / Yield:** Plastic consistency

Quantity	1 x 25 kg bag
Water	3.25 - 3.5 litres
Final volume	13 litres

**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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## PRECAUTIONS

- Temperature range for use: + 5°C to + 35°C.
- Substrates must be well-saturated but not running with water.
- Do not apply to a frozen or thawing substrate.
- Protect from drying out by misting (not soaking) or by applying **742 LANKOCURING** or by applying polyethylene film to the fresh mortar.
- For large-scale surface areas, apply in limited stages.
- Do not mix with other hydraulic binders.
- No admixtures whatsoever may be used.
- On smooth concrete apply a rough-cast.
- primer coat made up of **736 LANKOCRETE RESEAUX** mixed with a 10% diluted solution of **751 LANKO LATEX**.
- Refer to the Safety Data Sheet.