

# 531 BREPOXY



### PRODUCT FEATURES

- ▶ Bonds well to concrete and asphalt

### CONSUMPTION

- ▶ Approximately 500 g/m<sup>2</sup> per covering coat, according to substrate

### PACKAGING

- ▶ 5 kg kit

### STORAGE

- ▶ **24 months** from date of manufacture if stored in unopened original packing in dry conditions and away from high temperatures

### 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

### DESCRIPTION

- Solvent-free epoxy resin. Polymerization by resin-hardener reaction.

### USES

- Bonding and sealing of cobblestones and paving stones to asphalt and concrete for peripheral anchoring on carriageways and pathways.
- Bedding and bonding mortar for kerbstones, traffic islands and security bollards on asphalt and concrete.
- Protective coating for wastewater pipes in sanitation systems.
- Protective anti-H<sub>2</sub>S coating for access hafts beneath manhole covers and sight holes.

### SPECIFICATIONS

- **Mixture colour:** grey
- **Resin:** translucent
- **Hardener:** grey
- **Time between coats at + 20°C:** 12-24 hours
- **Resin/Hardener ratio:** 1:1 by weight and volume
- **Mixture density:** 1.2
- **Dry content:** 100%
- **Post-polymerization temperature resistance range:** - 30°C to + 60°C
- **Pot life:** 40 min at + 20°C

### Bond strength (MPa) after 28 days (1)

Substrate	Concrete
Value	> 3

### Mechanical strength (MPa) after 28 days (2)

Compressive	100
Tensile / Flexural	35

### Return to service (1)

Temperature	+ 20°C	+ 10°C	+ 5°C
Period	24 h	48 h	96 h

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

(2) Tests carried out on 4 x 4 x 16 samples, kept at 23°C and 50% humidity. Average laboratory values provided as a general guide

(3) Aggregates used for making micro-concrete must be non-frostiven (frost index < 10).

### INSTRUCTIONS

#### ■ SUBSTRATE PREPARATION

- Substrates must be clean, sound and resistant.

#### ■ PRODUCT PREPARATION

- Machine-mix the two pre-measured components on slow speed (200-300 rpm) for 3-5 minutes
- Continue mixing until evenly distributed (grey, filament-free paste).

#### ■ APPLICATION

- Apply two coats at an interval of 12-24 hours by brush or roller.
- An anti-slip surface can be made by incorporating 0-2 mm silica into the 1<sup>st</sup> coat.
- Kerb bonding: fix each unit separately.
- To obtain a smooth finish on mortar and micro-concrete containing **531 BREPOXY** resin, **725 LANKODILPOX** must be used.

#### ■ FINAL VOLUME

- One 5 kg kit of **531 BREPOXY** + 5 volumes of 0/2 sand produces a final volume between 20 and 23 litres.
- Micro-concrete: add 2-5 volumes of 4-8 mm aggregates (3) for 1 litre of **531 BREPOXY**.
- Thixotropy: by addition of cement (as mineral filler), talc, clay, bentonite, fibres (carry out a suitability and compatibility test in advance).

### PRECAUTIONS

- Temperature range for use: + 5° to + 35°C.
- Use in a well-ventilated area.
- Avoid prolonged skin contact: gloves and eye protection should be worn.
- Clean tools with **725 LANKODILPOX**.
- In temperatures above + 20°C, pour **531 BREPOXY** into a larger recipient in order to prevent exothermic reaction.
- Product sensitive to UV rays: change of colour when used outdoors.
- Refer to the Safety Data Sheet.