

# 228 LANKOLASTIC

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### PRODUCT FEATURES

- ▶ Compliant with Standard EN 1504-2
- ▶ Waterproofing of concrete civil engineering structures
- ▶ Excellent resistance to sea water, sulphated water and de-icing salt

### CONSUMPTION

- ▶ 1.5 to 2 kg/m<sup>2</sup> per coat

### REFERENCE DOCUMENT

- ▶ CE Performance statement

### DESCRIPTION

- Dual-component resilient hydraulic micro-mortar used for protection and waterproofing.
- Once applied to rendered concrete and masonry forms a flexible adhesive protective film.

### USES

- Waterproofing of structures such as:
  - Reservoirs, retention tanks
  - Balconies, loggias, terraces (except roof terraces), bonded sub-tiling or mortar screed.
  - Tanking - lift shafts, car parks, underground premises.
- Waterproof sealant beneath tiles bonded with:
  - 5024 PROLIDAL PLUS / 572 PROLIFLEX HP / 5025 COLLE & JOINT in swimming pools and damp premises.
  - 5021 PROLITERRASSE on terraces and loggias.

### SPECIFICATIONS

- **Appearance:**
  - **Component A:** grey powder combining special cements, filler and admixtures
  - **Component B:** white liquid containing resins in aqueous dispersion
- **Mixture colour:** grey
- **Particle size:** 0-0.3 mm
- **Résistances MPa (1)**

Pressure	> 2 MPa
Counter-pressure	0.6 MPa

- **Crack resistance (mm) (1)**

	Non-reinforced	Reinforced with ARMATURE RM
At 20°C	4.2 mm	5.2 mm
At 0°C	2.3 mm	3.3 mm

- **Weight ratio:**
  - powder: 100 parts
  - liquid: 60 parts
- **Paste density:** 1.65
- **Pot life:** 1 hour at 20°C
- **Bond strength measured by pull-off test:** > 0.8 MPa (EN 1542)
- **Permeability to carbon dioxide:** 1 g/m<sup>2</sup>/24 h
- **Taber abrasion:** Mass loss: 0.6 g at 1000 revolutions

### INSTRUCTIONS

#### ■ SUBSTRATE PREPARATION

- The substrate must be clean, flat, sound, dust-free and without any traces of oil. All loose parts must be raked out.
- Fill honeycombing and bubbles.
- Where repairs are required **731 LANKOREP STRUCTURE** should be used. Contact us for details of other **PAREXLANKO** products which may be recommended for specific work.
- The substrate must be damp, but not running with water, during application.

#### ■ PRODUCT PREPARATION

- The 2 components must be mixed using a slow-speed machine mixer (300-500 r.p.m.).
- Follow the instructions below to ensure a homogenous mixture:
  - add ¾ of the resin into a suitably-sized container.
  - add the powder gradually while mixing in order to obtain a plastic consistency.
  - add the rest of the liquid and mix for 3 more minutes.
- Leave to stand for several minutes.
- To obtain a more fluid consistency, add water to a maximum quantity equivalent to 3% of the weight of the resin used.

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## LANKOLASTIC

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### PACKAGING

- ▶ 14. kg kit (grey)
- ▶ 28.8 kg kit (grey)

### STORAGE

#### ▶ 12 months

from date of manufacture if stored in unopened original packing in dry, frost-free conditions

### WARRANTY

- ▶ Manufacturer's liability

### ■ APPLICATION

- **228 LANKOLASTIC** can be applied with minimum 2 coats :
  - by hand, with a brush or float,
  - with a hopper gun,
  - by machine.
- Apply a 1st coat allowing a rough but reasonable quantity of 1.5 to 2 kg/m<sup>2</sup>.
- The 2<sup>nd</sup> coat can be applied after a drying period of 4 to 24 hours (temperature dependent), allowing a quantity of 1.5 to 2 kg/m<sup>2</sup>.
- The total thickness of the covering should be approximately 2 mm, and never less than 1.5 mm.
- Coats can be floated using a filling knife or stainless steel float.
- Mortar must be used within 2 hours of preparation (at 20°C).

### ■ REINFORCEMENT

- For substrates showing evidence of micro-cracking or which are likely to be subject to dimensional changes (water towers, structures exposed to thermal shock), the 1st coat should be reinforced with **ARMATURE RM** mesh.
- This same material should be used for all localized reinforcement needs.

### ■ SUITABLE COVERING MATERIALS

- **228 LANKOLASTIC** can be left bare or be covered with tiles within a period of 12 hours minimum to 7 days maximum after application of the final coat.
- High-traffic areas should be protected against abrasion.
- Reservoirs and tanks can be filled after 7 days drying time.
- Please feel free to contact us if you require further information.

**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)

**PAREXGROUP S.A.** 19 place de la Résistance - CS 50053  
92445 Issy-les-Moulineaux Cedex - Tél. (33) 01 41 17 20 00  
Technical information : 0 826 08 68 78 (0.15 €/min + phone call price)

**PAREXLANKO**

### PRECAUTIONS

- Minimum 2 coats (minimum total thickness on drying = 1.5 mm).
- Temperature range for use: + 5°C to + 35°C.
- Substrate must be dampened prior to product application.
- Do not re-dampen between coats. Wipe off any condensation water.
- Where possible, carry out exterior applications in shady, cool conditions.
- The mortar coating must not be exposed to frost within 24 hours of application. Do not apply to a frozen or thawing substrate.
- Clean tools with water before the product dries.
- Do not use acid-based cleaning products. When cleaning with high-pressure water, take care not to damage the mortar.
- Gloves should be worn.
- In confined environments, do not expose the product to water or steam at a temperature above + 40°C.
- Do not add any hydraulic binder or admixture.
- Refer to the Safety Data Sheet.