

# 777 LANKO IMPER SURFAÇAGE

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### PRODUCT FEATURES

- ▶ Compliant with Standards EN 1504-2, EN 1504-3 and EN 12004 (C2 adhesive mortar)
- ▶ Excellent slideability
- ▶ Resistant to water (pressure & counter-pressure)

### CONSUMPTION

- ▶ Approximately 2 kg/m<sup>2</sup> per mm thickness (variable according to substrate roughness and thickness)

### REFERENCE DOCUMENTS

- ▶ Performance statements:
  - CE EN 1504-2 : Principle 1 (protection against ingress), 2 (moisture control), 5 (physical resistance) and 8 (increasing concrete resistivity)
  - CE EN 1504-3 : Principle 3 (concrete restoration)
  - CE EN 12004 (bonding)
- ▶ Compliance report with potable water
- ▶ CEBTP test report: pressure/counter-pressure resistance

### DESCRIPTION

- Dual-component hydraulic mortar for the following purposes:
  - concrete and cement mortar substrates
  - waterproofing, small thickness surfacing & repairs
  - bonding tiles to interior walls, interior & exterior floors, pools and basins.

### USES

- **WATERPROOFING**
  - Potable water tanks, water retention tanks, swimming pools.
  - Tanking/Tubbing: elevator shafts, car parks and other below-ground premises.
- **SMALL THICKNESS SURFACING & REPAIRS**
  - Civil engineering and building structures
  - Parapets, balconies, posts & pillars, cutoff walls.
- **SUBSTRATE PREPARATION**
  - Pore-filling prior to painting.
  - Small thickness surfacing prior to application of paint or epoxy/polyurethane resins.
- **BONDING**
  - Mortar adhesive for bonding tiles to interior walls, interior and exterior floors and pools and basins.

### SPECIFICATIONS

- **Component A:** grey powder composed of special cements, filler and admixtures
- **Component B:** resin emulsion
- **Mixture colour:** grey
- **Particle size:** 0-0.4 mm
- **Weight ratio:**
  - powder: 100 parts
  - liquid: 19.5 parts
- **Paste density:** 2.0
- **Pot life:** 60 min at + 20°C (pot life is reduced as temperature increases)
- **Mechanical strength (MPa) (1)**

Period	1 day	7 days	28 days
Flexural	3	8.5	11
Compressive	13	40	50

### Water resistance (2)

Pressure	2 MPa
Counter-pressure	0,6 MPa

### Bond strength pull-off test (3)

Waterproofing	2.5 MPa
Repair	2.5 MPa

### INSTRUCTIONS

#### ■ SUBSTRATE PREPARATION

- Concrete and mortar must be at least 28 days old.
- Minimum mechanical strengths:
  - direct shear cohesion: 1.5 MPa
  - compression: 25 MPa.
- The substrate must be clean and sound and free of any traces of grease, dust and loose or flaking parts.
- The substrate must be damp but not seeping with water prior to application.
- If the substrate requires preliminary repair or elimination of air bubbles prior to waterproofing, a coat of **777 LANKO IMPER SURFAÇAGE**, or any other R4 class mortar from the **PAREXLANKO** range, may be applied.

#### ■ PRODUCT PREPARATION

- The 2 components must be mixed using a slow speed (300-500 rpm) mechanical mixer.
- Carefully mix together the entire contents of each component.
- Do not divide the contents of each component.
- Make up a homogeneous mixture using the following procedure:
  - pour 3/4 of the resin into a suitably-sized receptacle,
  - gradually pour all the powder into the resin and mix to a plastic consistency,
  - add the rest of the liquid and continue mixing for 2 min approx.

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### PACKAGING

- 23.9 kg kit, i.e.
- Component A: 20 kg bag
  - Component B: 3.9 kg container

### STORAGE

- **12 months**  
from date of manufacture if kept in unopened original packing in dry, frost free conditions

### WARRANTY

- Manufacturer's liability

### ■ APPLICATION

#### Small thickness surfacing/repairs

- Apply a thin coat (3 mm max.) with a stainless steel float or trowel.
- Surfacing is performed with one or several successive coats depending on the state of the substrate and the desired result.
- Allow 3-4 hours between coats (at + 20°C).
- Finish with a sponge, a laying-on trowel or expanded polystyrene.
- NB: The mortar may take on a bleached appearance if water is added during surfacing.

#### Waterproofing

- **777 LANKO IMPER SURFAÇAGE** is applied in two successive 2-3 mm coats. The first coat is laid and structured with a notched trowel (e.g. no.12). The second coat is applied with a stainless steel float as soon as the first one is touch-dry. Apply both coats in the same direction so as to avoid trapping air.
- **777 LANKO IMPER SURFAÇAGE** can also be applied using a spraying machine.
- The final total thickness must not be less than 4 mm.
- The mortar must be used up within an hour of being mixed (at + 20°C).

#### Bonding

- Apply the mortar with a notched trowel suitable for the tiles that are to be laid/hung.
- Lay/Hang the tiles immediately after application of **777 LANKO IMPER SURFAÇAGE**.

### ■ SUITABLE COVERING MATERIALS

- **777 LANKO IMPER SURFAÇAGE** can be left bare.
- **777 LANKO IMPER SURFAÇAGE** can be covered after 48 hours with acrylic/siloxane or pliolite paint, with solvent-free epoxy or polyurethane resins.
- **777 LANKO IMPER SURFAÇAGE** can be tiled over after 24 hours (after surfacing and/or waterproofing).

**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.
- **777 LANKO IMPER SURFAÇAGE** must not be allowed to dry quickly. Therefore, in sunny, dry or windy conditions special precautions must be taken to prevent desiccation.
- Whenever possible, work in shaded conditions.
- Clean tools with water during and immediately after application of **777 LANKO IMPER SURFAÇAGE**.
- Do not dampen the treated surface between applications. Wipe off any condensation that may form.
- Do not apply **777 LANKO IMPER SURFAÇAGE** if there is a risk of frost in the 12 hours following application.
- Do not use acid-based cleaning products.
- Gloves should be worn.
- Rinse tanks prior to filling with water.
- In confined environments, do not expose the product to water or steam with a temperature above + 40°C.
- Refer to the Safety Data Sheet.