

# 223 LANKOPARKING



1/3



### PRODUCT FEATURES

- ▶ Crystalline technology
- ▶ Excellent pressure & counter-pressure resistance
- ▶ Direct application as slurry to hardened concrete or by sprinkling onto fresh concrete

### WATER DOSAGE

- ▶ 7.5-8 litres per 25 kg bag

### CONSUMPTION

- ▶ See TABLE «A»

### REFERENCE DOCUMENTS

- ▶ CE Performances certificate
- ▶ Pressure/counter pressure test report: Ginger CEBTP BMAI-C-4209
- ▶ Technical specifications approved by PCSE

### DESCRIPTION

- Hydraulic crystalline waterproofing mortar composed of special cements, mineral filler and admixtures.
- The waterborne components of **223 LANKOPARKING** are diffused into concrete via capillary pores and micro-cracks.
- The components react with the hydrated constituents of the cement and form insoluble crystals and sealing gels.
- This phenomenon ensures that the concrete is watertight to its core.
- Thanks to this technology, **223 LANKOPARKING** penetrates the concrete substrate: it retains its effectiveness even if the outer surface is removed or abraded (once the product has hardened completely).

### USES

- Interior & exterior waterproofing of new & old solid concrete structures:
  - building: underground car parks
  - civil engineering: tunnels, underground rail systems.
- **223 LANKOPARKING** is a non-decorative product.

### SPECIFICATIONS

- **colour:** light grey
- **Slurry consistency:** thick paint
- **Setting time:** 1 to 3 hours, depending on application conditions
- **Pot-life:** 20 minutes
- **Compressive strength:**  $\geq 25$  MPa
- **Chloride ion content:**  $\leq 0.05\%$
- **Bond strength:**  $\geq 0.8$  MPa
- **Modulus of elasticity:**  $\geq 15$  GPa
- **Capillary absorption:**  $\leq 0.5$  kg/m<sup>2</sup>.h<sup>0.5</sup>
- **Pressure resistance:**  $\geq 2$  MPa
- **Counter-pressure resistance:** 1 MPa

### INSTRUCTIONS

- Detailed technical instructions pertaining to substrate preparation and product application are provided in the specification document for **223 LANKOPARKING**.
- Substrate temperature range: + 5°C to + 35°C.

#### Traffic compatibility

- For all traffic other than pedestrians, application by sprinkling onto fresh concrete is strongly recommended.
- Substrates must be compliant with building regulations in force.

### APPLICATION OF 223 LANKOPARKING IN SLURRY FORM

#### ■ SUBSTRATE PREPARATION

- The substrate must be clean, sound, dust-free and without any traces of oil. All loose parts must be raked out.
- The surface of the substrate must be mechanically sanded or hydrosanded to ensure that the grain is visible (i.e. open pores) and thus facilitate application and penetration of **223 LANKOPARKING**.
- Render honeycombing and bubbles, fill cracks and hollow joints with a suitable repair mortar (R3/R4).
- Make a chamfer at wall/wall and wall/apron joints.
- Soak the surface several hours prior to application.

#### ■ PRODUCT PREPARATION

- Mix the contents of one 25 kg bag of **223 LANKOPARKING** with 7.5-8 litres of clean water.
- Machine-mix for 3 minutes approx. until evenly distributed with a «thick paint» consistency.
- Only make up an amount that can be used within 20 minutes. Stir frequently.
- Apply immediately after mixing.
- If the mixture begins to set, do **NOT** add any more water. Simply mix again to obtain a fluid consistency.

#### ■ PRODUCT APPLICATION

- Apply two coats of the product to a damp, non-seeping substrate, in the same way as one would apply a thick paint.
- 1<sup>st</sup> coat: top > down
- 2<sup>nd</sup> coat: left > right. This 2<sup>nd</sup> coat can be applied as soon as the 1<sup>st</sup> coat is hard to the touch (30 minutes approx. at + 20°C), without redampening.
- Keep the final coat damp for at least 5 days after application and protect the surface from extreme weather conditions (e.g. sun, wind, frost) during hardening.
- The treated surfaces must be protected from rain for at least 24 hours.
- In closed areas, ensure good ventilation for at least 24 hours after application.
- Please comply with the consumption instructions provided in table «A» overleaf.

# 223 LANKOPARKING

2/3

## APPLICATION OF 223 LANKOPARKING BY SPRINKLING ONTO FRESH CONCRETE

### ■ SUBSTRATE PREPARATION

- The concrete must be applied in compliance with building regulations in force (e.g. French DTU 21, art.5.3).
- For plank-levelled concrete, sprinkling should be performed immediately after levelling.
- For surface-finished concrete, sprinkling should be performed as soon as the concrete begins to set.
- The concrete must be free of any surface water film.

### ■ PRODUCT PREPARATION

- For anti-abrasion treatments, a 3,2 mixture of **223 LANKOPARKING** and a surface-hardening powder such as **242 LANKOFLOOR Poudre** may be used.
- The mixture should be made up prior to sprinkling, taking care to evenly distribute the two components.

### ■ APPLICATION BY SPRINKLING

- Method for use **223 LANKOPARKING** on base surfaces, on fresh concrete only.
- Application of **223 LANKOPARKING** must be regular and uniform, by means of a sieve, a spreader, or any other appropriate tool.
- Please comply with the consumption instructions provided in table «A» overleaf.

### Plank-levelled finish

- Sprinkle **223 LANKOPARKING** onto the concrete immediately after levelling.

### Surfaced finish

- Sprinkle **223 LANKOPARKING** onto the concrete as soon as it begins to set the float finish the surface by hand or machine until all traces of powder have disappeared.

## COVERING

### ■ COVERING INSTRUCTIONS

- When **223 LANKOPARKING** is applied as a slurry, in compliance with building regulations in force (e.g. DTU 14.1, chapter 4.3.6), the surface layer of the mortar should be removed prior to coating, by grit-blasting, sanding or light planing. Care must be taken to not damage the concrete surface.
- Allow 28 days prior to removing the surface layer of **223 LANKOPARKING**.
- The residual humidity content of the substrate must not exceed 4% prior to coating.

### ■ PERMISSIBLE COATING

- Any adhesive coating that does not damage or impair the lining work performed.
- Thin rendering mortar such as **123 LANKOSOL ÉPAIS** or **133 LANKOSOL MINCE**.
- Concrete screed or slabs.
- Floor tiles bonded using an advanced mortar adhesive such as **5024 PROLIDAL PLUS (C2ET)** or **552 PROLIFLUIDE (C2G)**.
- Suitable microporous floor and wall paints.

### ■ NON PERMISSIBLE COATING

- All steamproof plastified coatings.

### ■ IMPORTANT

- The crystallization process will continue until exhaustion of the chemical elements or evaporation of the water content.
- It is possible to reactivate the crystallization process by adding water.
- Tools should be cleaned with water immediately after use.

# 223 LANKOPARKING

3/3

## PACKAGING

- ▶ 25 kg bag

## STORAGE

- ▶ **12 months**  
from date of manufacture if stored in unopened original packing in dry conditions

## WARRANTY

- ▶ Manufacturer's liability

Table «A»

Substrate	Constraints	Application	Consumption
Concrete slab	Positive or negative water pressure	Single coat slurry: - by hand with a brush - by machine, diaphragm pump, jacket pump or gravity feed gun	1.2 kg/m <sup>2</sup>
		By manual or mechanical sprinkling: - <b>223 LANKOPARKING</b> alone	
		By manual or mechanical sprinkling: - <b>223 LANKOPARKING</b> alone + surface hardener	2 kg/m <sup>2</sup>
Concrete slab	Humidity / no water pressure	Single coat slurry: - by hand with a brush - by machine, diaphragm pump, jacket pump or gravity feed gun	0.8 kg/m <sup>2</sup>
Concrete wall	Positive or negative water pressure	Dual coat slurry: - by hand with a brush - by machine, diaphragm pump, jacket pump or gravity feed gun	1.5 kg/m <sup>2</sup>
Construction joints (horizontal and/or vertical)	Water pressure	Single coat slurry: - <b>expansion joints</b> : by hand with a brush, before bridging - <b>fractioning joints</b> : fill to bare level of substrate	1.5 kg/m <sup>2</sup>

**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

- Temperature range for use: + 5°C to + 35°C.
- Do not apply to a frozen or thawing substrate.
- Apply the product to a damp, but non-seeping substrate
- Do not apply in full sunlight or to an overheated substrate
- Protect the treated surfaces from sun, wind and rain until the mortar has hardened fully.
- Keep the treated surfaces damp for a period of 5 days after application
- Active cracks must be pre-treated accordingly
- Clean tools with water before the product hardens
- Refer to the Safety Data Sheet, which also provides recommendations on Personal Protective Equipment (PPE) for use during preparation and application..