

711 LANKOSTONE POSE MB



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PRODUCT FEATURES

- ▶ Compliant with Standard NF P98-335
- ▶ Very comfortable to use
- ▶ Shrinkage-compensating
- ▶ Resistance to severe frost
- ▶ INNORAIL test report: mechanical resistance of modular elements (28/08/2007)
- ▶ LANKOSILO compatible

WATER DOSAGE

- ▶ 2.2 to 2.7 litres per 25 kg bag

YIELD

- ▶ 12 litres final volume

REFERENCE DOCUMENTS

- ▶ Standard NF P98-335: «Laying of paving stones and slabs made of natural stone»
- ▶ Egis and INSA test reports for Standard NF P98-335
- ▶ «Resistance to severe frost» test report
- ▶ INNORAIL test report (28/08/2007): «mechanical resistance of modular elements»

DESCRIPTION

- Ready-to-use micro-concrete composed of sand, gravel, special cement and admixtures.

USES

- Bedding surface for traffic-bearing paved carriageways (cobble, pavers and slabs) used in compliance with Standard NF P 98-335.
- Repairs of over 30 mm to (non-industrial) concrete floors.

■ SUBSTRATE DEFLECTION

- According to Standard NF P 98-335, only road foundations with a deflection of less than 40/100ths are compatible with traditional mortar or concrete.

■ PERMISSIBLE SUBSTRATES

- Gravel-cement mixture
- Concrete slabs
- High Modulus Asphalt (EME class 2)
- (rigidity modulus > 14 000 MPa and compliant with Standard EN 13108-1).

SPECIFICATIONS

- **Active ingredients:** chloride-free hydraulic binders with no metal particles.
- **Grey ready-to-mix powder**
- **Particle size:** 0-10 mm
- **Hardened product density:** 2.2
- **Pot life:** 60 min at + 20°C
- **Apparent paste density:** 2.2
- **Reaction to fire:** Euroclass A1

PERFORMANCE CHARACTERISTICS

Setting time (1)

Temperature	+ 20°C	+ 30°C
Initial setting	2 h 00	1 h 30
Final setting	3 h 00	2 h 00

Mechanical strength MPa (2)

Period	1 day	7 days	28 days
Compressive	20	40	55

Joint-filling with 715 LANKOSTONE JOINT

Temperature	+ 5°C	+ 20°C	+ 30°C
Interval before filling	24 h	12 h	12 h

Return to service (3)

Pedestrians	24 h
Light traffic	48 h
Heavy traffic	96 h

Dosage / Yield - Mortar

Quantity	1 x 25 kg bag
Water	2.2 to 2.7 litres
Final volume	12 litres

PERFORMANCE CHARACTERISTICS	TEST STANDARD	PERFORMANCE REQUIREMENTS	PERFORMANCES OF 711 LANKOSTONE POSE MB
Workability after 30 min Abrams' 1/2-cone slump	NF P18-451 amended	Between 4 and 50 mm for temperatures ranging from +5°C to +30°C	EGIS# test report GEOG41-00746
3-point flexion measured on 10 cm x 10 cm x 40 cm prisms	NF EN 12390-5	> 4 MPa to 24 h > 6.5 MPa to 7 days	EGIS# test report GEOG41-00746
Shrinkage measured on 50 cm x 7 cm x 7 cm bar after 7 days	Protocol based on NF P15-433	Technical mortar shrinkage < (shrinkage of traditional mortar of same dosage CEM II 42.5 R and same aggregates) / 1.5	INSA#2 test report dated 07/07/2010
Bonding measured on rough slab prepared according to standard NF P18-858	NF P18-858	> 180 MPa	EGIS# test report GEOG41-00746
Severe frost: measured on 10 cm x 10 cm x 40 cm sample for a cumulative length variation of 500 µm/m	NF P18-424	> 125 cycles	> 420 cycles EGIS# test report GEOG41-00746

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PACKAGING

- ▶ 25 kg long-storage bag
- ▶ 1.2 tonne Big Bag
- ▶ 1.2m³ or 3m³ LANKOSILO: rental on request

STORAGE

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

WARRANTY

- ▶ Manufacturer's liability

INSTRUCTIONS

■ SUBSTRATE PREPARATION

- Substrates must be clean, sound, cohesive, resistant and free of any loose or flaking parts
- Plane the surface if necessary.
- Dampen the substrate.
- On High Modulus Asphalt, high-pressure water cleansing is essential within the 24 hours preceding application.
- For floor repairs, all dust and traces of oil must be removed and the edges clearly defined.

■ PRODUCT PREPARATION

- The micro-concrete is made up by mixing **711 LANKOSTONE POSE MB** with clean water.
- Machine-mix with a cement mixer or a slow-speed drill mixer (300-500 r.p.m.).
- Mix for 3 minutes approx. until a homogenous micro-concrete is obtained.

■ APPLICATION

Creation of a bedding surface

- Thoroughly dampen the substrate.
- Apply a slurry made up with 1 part **751 LANKO LATEX** and 2 parts clean water mixed to a creamy consistency with **711 LANKOSTONE POSE MB**.
- Spread the micro-concrete across the fresh slurry.
- Prime the undersides of the paving stones or slabs with the slurry.
- Once laid, tamp down the paving stones or slabs with a mallet.
- If necessary, and depending on the worksite configuration, create a peripheral anchoring rib with a mortar made up with 1 part **531 BREPOXY** to 5 parts dry, clean 0/3 sand).
- Fill joints with **715 LANKOSTONE JOINT** shrinkage-compensating fluid mortar.
- Application using a 1.2 m³ or 3 m³ **LANKOSILO** is also possible. Please contact us for further details.

Repairs to (non-industrial) concrete floors

- The substrate must be free of oil and the edges clearly set out.
- Dampen the substrate the day before performing repair work.
- Dampen the substrate again just before applying a latex-enriched slurry (see below).
- Prepare a solution made up with 1 part **751 LANKO LATEX** and 2 parts clean water.
- Add this solution to **711 LANKOSTONE POSE MB** and mix to a creamy consistency.
- Apply the resulting slurry as required (must be tacky to the touch).
- Apply **711 LANKOSTONE POSE MB** in a firm or plastic consistency in thicknesses exceeding 30 mm.
- Treat the surface with **742 LANKOCURING** curing agent as soon as it begins to set.



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

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PAREXLANKO

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

(2) Tests carried out on 10 x 10 cubes, kept at 20°C and 90% humidity. Average laboratory values provided as a general guide.

(3) After filling joints with 715 LANKOSTONE JOINT.

PRECAUTIONS

- Temperature range for use: + 5°C to + 35°C.
- Do not apply to a frozen or thawing substrate.
- Surfaces must be protected from air once setting starts.
- Do not mix with other hydraulic binders.
- Sand and admixtures must not be added.
- Comply with stipulations of standard NF P98-335 pertaining to shrinkage and expansion joints.
- Floor repairs must be treated with **742 LANKOCURING** curing agent.
- Refer to the Safety Data Sheet.