

**FIBRE-REINFORCED  
NON-SHRINKING MORTAR**  
THICKNESS : 5-50 mm.

**731**  
**REPAIR MORTAR**

R E P A I R I N G   A N D   G R O U T I N G

**LANKO**



**CHARACTERISTICS**

- **Application thickness : 5-50 mm.**
- **Thixotropic.**
- **Strong bonding.**
- **High initial and final mechanical strength.**
- **Excellent resistance to sea water and sulphated waters.**
- **Contact possible with drinking water.**

**DESCRIPTION**

731 REPAIR MORTAR is a ready-to-wet mortar composed of sand, special cement, fibres and admixtures, chloride and metal particle free. 731 REPAIR MORTAR protects steel rebars from corrosion.

**USES**

- Repair of concrete surfaces : spalling, honeycombing, stair nosing, ramp, etc.
- Concrete restructuring : pillars, slabs, posts, dam aprons and spillways, etc.
- Reinforcement of weakened structures : balconies, overhangs, cornices.
- Treatment of chamfers and seams prior to waterproofing.

**SPECIFICATIONS**

- Appearance : Grey powder.
- Particle size : 0-2 mm.
- Bulk density : 1.36
- pH : 12.5

**Setting time\***

Temperature	+5°C	+20°C	+30°C
Initial setting	7 h 00	2 h 40	1 h 00
Final setting	8 h 30	3 h 00	1 h 30

**Bond strength by slant shear test : ASTM C882\***

3 days	6 MPa
7 days	10 MPa
28 days	12 MPa

**Flexural strength : ASTM C348\***

3 days	4 MPa
7 days	5 MPa
28 days	5.5 MPa

**Compressive strength : ASTM C109\***

3 days	35 MPa
7 days	45 MPa
28 days	60 MPa

\* Average laboratory values provided as a general guide

**WORK INSTRUCTIONS**

**Substrate preparation**

- Remove loose and damaged concrete and laitance using a point tool or chisel in order to obtain a clean, rough surface.
- Clear out concrete around corroded rebars in order to create space for inserting the product behind and around them.
- The boundaries of the surface to be repaired must be clearly defined.
- The substrate must be free of all traces of grease and oil.
- Brush, scrape or sandblast corroded rebars in order to remove non-adherent rust.
- Dust off all surfaces to be repaired.
- Soak the substrate prior to application.
- If rebars are to be covered with less than 10 mm of mortar, they should be passivated using a slurry mix of 731 REPAIR MORTAR and 751LANKOLATEX.



#### COVERAGE

- 2 kg/m<sup>2</sup>/mm.

#### PACKAGING

- 25kg bag

#### STORAGE

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

#### Product preparation

- Machine-mix or hand-mix one 25 kg bag of 731 REPAIR MORTAR with 4.25 litres of clean water (i.e. 17% water content) for 3 minutes minimum until evenly distributed.
- Workable life after mixing : approximately 45 minutes at 20°C.
- No water must be added during application.

#### Application

- Apply a first batch of 731 REPAIR MORTAR with a stainless steel trowel, pressing firmly to ensure bonding.
- Apply additional mortar to obtain the desired overall thickness.
- Trowel or float the repaired surface for a smooth finish.
- For large surfaces, the mortar may be applied by machine spray.

#### PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Do not apply to a frozen or thawing substrate.
- Apply only to clean, sound resistant substrates, free of loose materials.
- Soak the substrate before application.
- After finishing, protect the mortar from drying out by applying 361 LANCURE or by dampening without soaking.