

Technical Data Sheet

LANKO 111

RENDER COARSE



Description

Lanko 111 is a coarse rendering mortar for finishes ranging from 10 to 50mm. This product is applicable in repairing concrete surface defects and as replacement for traditional plastering for walls and ceilings.

Uses

- Interior & exterior walls and ceilings
- Replacement for traditional plastering
- Can be directly applied to concrete hollow blocks

Product Use Technical Data

Color:	light grey
Particle size:	0.04 to 2.0mm
Pot life:	Approximately 40 to 60 minutes depending on environmental temperature and humidity
Recommended Thickness:	20mm thickness per layer. Maximum thickness is 50mm.

Bonding Strength: ASTM C1583*	Days	MPa	PSI
	7	0.4 - 0.9	58 - 130
	28	0.8 - 1.0	116 - 145

Compressive Strength: ASTM C109	7	8.8 - 12.8	1276 - 1856
	28	14.4 - 17.6	2088 - 2553

**Average laboratory values provided as a general guide*

Coverage:	1.1m ² /25kg at 20mm application thickness
Packaging:	25Kg bag
Shelf life & Storage:	Store in a cool dry place. If properly stored, in its original unopened container, product life is 12 months

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DISCLAIMER

The use of these products is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subject to change without prior notice.

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How to use

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Substrate Preparation

- The substrate must be rough, clean, sound, dust-free and without any trace of oil, laitance, paint or curing compound.
- Overplus and seams must be struck off
- Dampen the substrate using a sponge or cloth before application
- Working condition of the substrate must be at 25 to 35°C, otherwise, adhesion of the product on the substrate may be affected

Product Preparation

- Machine-mix or hand-mix one 25-kg bag of Lanko 111 RENDER COARSE with 4.5 liters of water for about 3-5 minutes until the product is evenly distributed.
- Ensure the mixture is free from lumps before use.

Application

- Apply the mortar using a steel trowel.
- The first coat should not exceed 20mm thickness.
- Allow the product to cure for about 4 hours before the second coat is applied.
- Allow to draw prior to finishing by lightly rubbing in a circular motion with a steel trowel or rubber float.

Curing

- Allow the mortar to cure for about 7 days (depending on the thickness and atmospheric conditions) before applying a covering material.
- In hot ambient temperature, the plaster should be cured with water spray during the first 2 days, for better shrinkage control.

Precautions

- Temperature range for use is 5 to 35 °C
- Do not apply on gypsum-based products
- In hot conditions, protect the finished surface from drying out by lightly misting
- Do not immerse the product
- Do not mix with other hydraulic binders or cement.
- Sand and admixture must not be added.

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