



# LANKO

## LATEX MODIFIED WATERPROOF TILE ADHESIVE CEMENT-BASED

# TTB

T I L I N G   A N D   G R O U T I N G



### CHARACTERISTICS

- For interior and exterior walls and floors.
- Easy to use, just mix with water.
- Waterproof.
- Non-toxic, non-flammable.
- High build to facilitate layering.
- Quick grip.
- VOC - None (<10µg/l)

### COVERAGE

3.5 - 4 kg/m<sup>2</sup> using a 6mm x 6mm notched trowel.

### SHELF LIFE

Up to 12 months in unopened original container.

### STORAGE

Store in an elevated, cool dry place.

### PACKAGING

25 kg bag.

### DESCRIPTION

TTB is a latex polymer modified thin bed, waterproof bed cement adhesive. It is ideal for fixing ceramic, quarry and most monocottura tiles, slates, marbles and natural stones.

### APPLICATION RANGE

Interior and exterior walls and floors.

- Laying tiles, marble or natural stone onto concrete render; blockwork and rendered brickwork surfaces.
- Waterproof, therefore can be used to lay tiles in wet areas such as bathrooms etc.

### TECHNICAL DATA

- Appearance : Grey or white powder
- Bulk density : 1.5 kg/litre
- Working time (28°C) : 10 minutes
- Cure time (28°C) : 24 hours
- Pot life (28°C) : 60 minutes

### Tensile Adhesion EN 12004; 2009

@28 Days - Standard Conditions	1.25N/mm <sup>2</sup>
@28 Days - Water Immersion Conditions	1.00N/mm <sup>2</sup>
@28 Days - Heat Aging Conditions	1.00N/mm <sup>2</sup>
@28 Days - Freez/Thaw Cycles Conditions	1.00N/mm <sup>2</sup>

### Tensile Adhesion ANSI AII.S.A; 2012

@7 Days - 1.2N/mm<sup>2</sup>  
 @28 Days - 1.55N/mm<sup>2</sup>  
 Open Time -25min @ 20°C

### APPLICABLE STANDARDS

BS 5980: 1980 as clause A Type 1.  
 BS EN 12004: 2009, ANSI 118.4

### WORK INSTRUCTIONS

#### Substrate preparation

- The substrate must be structurally sound, free from movement and dry.
- The substrate must be free of all traces of oil, grease or wax.
- Painted surfaces must be scabbled or abraded to expose at least 75% of clean surface.
- Expansion joints coinciding with joints in the substrate should be incorporated at the design stage at a maximum of 5m spacings and must not be tiled over.
- Newly rendered surfaces must be allowed to cure for at least 7 days.
- Steel-trowel finished concrete must be acid-etched or wire brushed prior to tiling.

#### Product preparation

- Add one 25kg bag TTB to 5 - 6 litres of clean water, mixing continuously until a lump-free, creamy consistency is achieved.
- Allow the mixture to stand for 10 minutes and remix prior to use.
- The mix lasts approximately 1 - 2 hours depending on temperature conditions.

#### Application

- Spread the adhesive onto the substrate using either a 6 mm x 6 mm notched trowel for wall tiling or a 12 mm x 12 mm notched trowel for floor tiling. The choice of trowel should be governed by the size of tile, the depth of knobs; grooves or ridges on the back of the tile and the evenness of the substrate.
- A 6 mm x 6 mm notched trowel is recommended for mosaic tiles.
- A thicker bed of adhesive allows for better contact onto the substrate as well as compensating for unevenness particularly in the case of slates.

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- For tiles with deep grooves on ridges (such as slate or lugged-backed tiles), the adhesive should be butter-coated onto the back of the tiles in addition to being notched-trowelled onto the substrate.
- Do not spread more than 1m<sup>2</sup> of adhesive at one time and ensure that the adhesive is wet when the tiles are laid.
- Ensure that there are no voids under the tiles by tapping tiles into position in order to ensure positive contact with the adhesive.
- Do not allow the adhesive to skin over prior to filling.

#### **Grouting after tile installation**

- Grouting should be carried out preferably at least 24 hours after the completion of tiling.
- For grout joints of up to 5 mm wide use SANITIZED COLOURED GROUT.

#### **PRECAUTIONS**

- Temperature range for use : +5° to +45°C
- Apply only to clean, sound, resistant substrates, free of loose material.
- This product contains cement which may cause dermatitis. The use of protective gloves and goggles during handling is recommended. If skin irritation occurs seek medical attention promptly.

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