

# LIP

## Multi Tile Mortar

Cement-based tile mortar  
with good adhesion and elasticity



**Flexibel**

- ▶ For indoor and outdoor use
- ▶ For floors with concealed heating
- ▶ On old tiles and vinyls
- ▶ For damp rooms
- ▶ Tested to international standards
- ▶ For swimming pools

# LIP Multi Tile Mortar

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## Applications

For fixing and laying tiles, marble, slate, facing bricks, large-size tiles, natural stone, quarry tiles, glasswool batts, Rockwool batts, polystyrene veneers, concrete tiles, garden tiles, etc. For marble and other "transparent" materials, **white LIP Multi Tile Mortar** is recommended.

## Bases

Concrete components, aggregate concrete, plastered walls, aerated concrete, Siporex, plasterboard panels, waterproof plywood, painted surfaces, floor vinyls, old tiles, swimming pools, cold stores and wherever high degrees of tensile and shear strength are required.

Cast concrete walls and floors older than 2 months. Screed older than 2 weeks and according to current regulations.

Lightweight aggregate concrete components with maximum moisture content of 4-8 %. Follow the instructions of the manufacturer.

## Preparations

Before applying the mortar, use **LIP Deep Cleaner** to ensure that the base is free of dust, dirt, oil, grease, wax and other stripping agents. Very absorbing bases such as untreated aerated concrete can be primed with **LIP Primer** in the ratio 1 part of primer to 10 parts of water.

In wet areas the work instructions for **LIP Damp Room System** and **LIP VS 30 Waterproofing Membrane** should be followed.

## Instructions for use

Sprinkle 5 kg of **LIP Multi Tile Mortar** into approx. 1.6 litres of water. If using white **LIP Multi Tile Mortar** use only 1.4 litres of water. Leave for approx. 5 minutes before stirring the mix thoroughly which is then ready for use. The mix must be used within 5 hours of mixing. Before applying **LIP Multi Tile Mortar** the base must be free of dirt and dust to ensure optimum adhesion ( See the section "Preparations").

Apply **LIP Multi Tile Mortar** to the floor with the smooth side of a notched trowel and afterwards draw the notched side through the layer of mortar. Press and twist the tiles into place in the moist mortar until 80-100 % of the back of the tile is covered.

If used outdoors or for very large tiles, 100% of the back of the tile should be covered. Use the buttering-floating method where the mortar is applied to both the base and the tile. Mortar coverage and adhesion should be checked regularly by tilting a newly fixed tile away from the floor. The tiles can normally be adjusted for up to 15 minutes after fixing them depending on the absorption capacity of the base. Any remnants of mortar on the tile surface and in the joints must be removed before setting. If mortar is allowed to set in the joints, this can cause colour deviations once grout is applied on top. If thin tiles are fixed into the mortar, we recommend to float the tile mortar first.

**Cleaning:** Tools and hands can be cleaned with water. Preferably use hot water.

**Coverage:** Approx. 2.5 kg per m<sup>2</sup> depending on the tile.

**Packaging:** 5 and 25 kg plastic-laminated paper sacks. Store in a dry place.

## Hazards identification

Local irritant. Contains calcium oxide. When mixed with water, calcium hydroxide is formed which can cause

damages to skin and eyes. The product contains less than 2 mg of water-soluble chromate per kilo.

R36/37 Irritates eyes and respiratory organs. R41 Risk of serious eye damages. S2 Keep out of reach of children. S22 Avoid inhaling dust. S26 Rinse thoroughly, if the mortar gets in the eyes. S46 Contact medical staff immediately if the mortar is swallowed. Bring the container or data sheet.

## Further information

Safety data sheet.

## Technical data

**CE-Classification: C2 E S1**

Working temperature: +5°C - +30°C

Mix proportion: 5 kg of grey **LIP Multi Tile Mortar** to 1.6 litres of water. 5 kg of white **LIP Multi Tile Mortar** to approx. 1.4 litres of water.

Pot life: About 5 hours at 18-20°C

Open time: Approx. 15-30 minutes at 18-20°C

Walkable: After 24-48 hours

Grouting: After 24-48 hours

Tensile adhesion strength, concrete: Approx 2.2 N/mm<sup>2</sup> \*

Tensile adhesion strength, glaze: Approx 2.2 N/mm<sup>2</sup> \*

Tensile adhesion strength, vinyl: Approx 2.7 N/mm<sup>2</sup> \*

Tensile adhesion strength, painted concrete: Approx 1.8 N/mm<sup>2</sup> \*

Tensile adhesion strength after 24 hours: ≥0.5 N/mm<sup>2</sup>

Tensile adhesion strength after 28 days: ≥1.0 N/mm<sup>2</sup>

Elasticity: 1.6 mm per running metre \*

Storage: Indefinitely if stored in a dry place.

\* according to tests performed by Danish Technological Institute / Norwegian Building Research Institute.

## General

LIP products are subject to continuous internal and external quality control. Apart from the product information we refer to the national building regulations, general instructions, experiences and norm within the local building industry. LIP products are guaranteed to be free from manufacturing defects. LIP has no control over consumer work conditions and therefore cannot accept any liability for results from incorrect use of its products. For further information, please visit lip.dk or contact LIP's technical service on tel.: +45 64421330.

## Colours

Grey and white.

**LIP -when building on quality!**

# LIP

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