

## MULTI WATERPROOF LIGHTWEIGHT TILE ADHESIVE 500,510,530

### Description

MULTI WATERPROOF LIGHTWEIGHT TILE ADHESIVE (500, 510, 530) is a premixed dry powdered product consisting of specialised blended cements, lightweight fillers, waterproofing agents, shrinkage compensating chemicals and selected accelerators.

### Purpose

MULTI WATERPROOF LIGHTWEIGHT TILE ADHESIVE (500, 510, 530) is a specialised tile adhesive for the fixing of porcelain, ceramic and cement tiles to permanently damp concrete areas. The use of the above products eliminates the surface preparation using waterproof coatings before normal tiling takes place. Direct tiling is now possible.

### Typical Applications

- \* The fixing of porcelain, ceramic and cement tiles in areas subject to continuous wet and dry conditions.
- \* Balconies, shower cubicles and bathrooms walls and floors.
- \* Tiling of balcony areas.
- \* Tiling of kitchen areas -around wash-up.

### Advantages

- \* Excellent bonding characteristics
- \* Non -shrink-controlled chemical expansion
- \* Easy application as an adhesive and grout at the same time.
- \* Premixed and requires the addition of water only to obtain working consistency.
- \* Non-toxic
- \* Non - flammable
- \* Early strength development

### Typical Properties

#### Strength development

#### Compressive Strength - Mpa

3 Days	1-3
7 Days	4-7
28 Days	14-18

#### Shear Strength - kN

PERIOD- DAYS	SHEAR-kN	SHEAR-TONS
3	3-5	0,3-0,5
7	4-6	0,4-0,6
14	5-7	0,5-0,7
28	8-10	0,8-1,0

**NOTE:** Shear tests done using 100mm x 100mm porcelain tiles.

### Directions for use

#### Surface preparation

- \* In accordance with SABS0107 Code of Practice for design and installation of ceramic tiles the following needs to be done:
- \*  $\frac{3}{4}$  Ensure that surfaces to be tiled are clean and free of dust, release agents, fungi or any surface dampness. Fungi must be removed and the spores killed with the use of an effective fungicide. (A dilution of ordinary house- hold bleach is suitable).
- \*  $\frac{3}{4}$  New walls and floors must be allowed to cure for minimum periods as tabled below to ensure that movement of the building/floors due to shrinkage does not affect the tiling.
  - a) New plaster at least 2 weeks
  - b) New screeds and concrete at least 4 weeks.
- \*  $\frac{3}{4}$  For tiling onto smooth surfaces such as steel troweled and off-shutter concrete, the surface must then be primed with Multi Tile Base Coat (Mix 5kg MCC Base Coat with 2,5 litres of MCC Tile Bond 555)
- \*  $\frac{3}{4}$  Painted surfaces, gypsum plasters and surfaces that have old bitumen adhesive on them must be chipped in order to expose at least 80% of the substrate. The prepared surface must then be primed with Multi Base Coat.

### Watchpoints

Proper use: MULTI WATERPROOF LIGHTWEIGHT TILE ADHESIVE (500, 510, 530) is a technically advanced product and the above instructions should be meticulously followed. If in doubt as to its use, consult Limpopo Construction Chemicals (PTY) LTD.

### Application

#### Mixing Instructions

- \* Empty contents of MULTI WATERPROOF LIGHTWEIGHT TILE ADHESIVE (500, 510, 530) into a suitable container and slowly add 5 litres of water.
- \* Mix product to obtain smooth lump free slurry.
- \* **DO NOT ADD MORE WATER**
- \* Use mixed product within 2 hours

### Application Information

#### Floor tiling and grouting

Use a 10mm notched trowel (notches 10mm x 10mm x 6mm intervals). Spread only enough adhesive so that the area can be tiled within 10 minutes. Place the tile onto the adhesive bed and exert a downward pressure onto the tile face and at the same time move the tile backwards and forwards so that the excess adhesive will find its way into the joint between the tiles. Strike off the excess joint grout and leave until cleaning of the tiles takes place (24 hours).

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The above notched trowel will spread enough adhesive to apply the recommended minimum adhesive bed and grout for floor tiling which is 5mm. As a guideline one bag of adhesive will cover approximately 3,5 square meters of both adhesive and tile grout.

### Wall tiling and grouting

Using a 6mm notched trowel (notches 6mm x 6mm x 6mm intervals). Spread only enough adhesive so that the area can be tiled within 10 minutes. Place the tile onto the adhesive bed and exert a downward pressure onto the tile face and at the same time move the tile backwards and forwards so that the excess adhesive will find its way into the joint between the tiles. Strike off the excess joint grout and leave undisturbed until cleaning of the tiles takes place (24 hours).

The above notched trowel will spread enough adhesive to apply the recommended minimum adhesive bed and grout for wall tiling which is 3mm. As a guideline one bag of adhesive will cover approximately 5 square meters.

### General Information

- \* Do not butt joint tiles.
- \* Minimum grouting joint width for wall tiling is 2mm and for floors is 3mm unless otherwise specified by the tile manufacturer.
- \* Tiles with very uneven backs will require "buttering" with adhesive prior to bedding into wet adhesive.
- \* It is very important to allow for differential movement in all tiling applications so the inclusion of the tile panel movement joints, structural movement joints and perimeter joints is essential.

### Technical Data

Non Hazardous	No flammable, freeze and thaw resistant
Initial setting time	± 6 hours @ 25 C and 50% humidity