



# EZEE TILE

## EPOXY ADHESIVE

### TECHNICAL DATA SHEET

#### PURPOSE

EZEE TILE EPOXY ADHESIVE® is an epoxy based adhesive designed to install all types of ceramic, porcelain, natural stone and reconstituted stone tiles onto all types of substrates commonly found in the building industry. Once the chemical reaction is complete, EZEE TILE EPOXY ADHESIVE® will form an extremely durable bond. This product is suitable for both exterior and interior applications and it is resistant to most harsh cleaning chemicals (bleach & acids). This product is recommended for the installation of bullnose tiles onto stairways.

#### MIXING INSTRUCTIONS

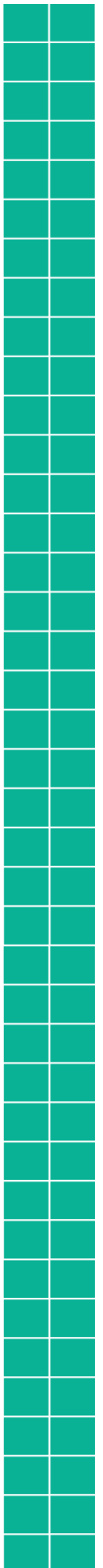
1. Empty liquid components into bucket supplied and mix thoroughly.
2. Add the powder component and blend to the desired consistency. Mix by hand or drill.
3. Use within 45 mins.
4. Do not mix part portions or apply in cold (<15°C) or extremely hot (>30°C) ambient conditions.

#### SURFACE PREPARATION

(These recommendations are in accordance with the SABS standard SANS 10107:2011 - The design and installation of ceramic tiles.)

1. Ensure that surfaces to be tiled are sound (no cracks or crumbling), clean, free of dust, release agent, fungi, or any surface dampness. Fungi must be removed and the spores killed with the use of an effective fungicide. (a dilution of household bleach is sufficient)
2. New walls and floors must be allowed to cure for minimum periods as listed below to ensure that movement due to shrinkage does not affect the installation
  - a. Direct bedding onto new brick walls and concrete surfaces: 6 weeks
  - b. New plaster walls: 2 weeks
  - c. New screeded floors: 4 weeks
3. Very smooth surfaces such as steel trowelled and off-shutter concrete must be acid washed to remove laitance and then rinsed thoroughly with cold water.
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.

\*This guideline only serves as a basic manual for the surface preparation, product selection and installation procedure for this type of application. Each installation needs to be assessed on merits and the products used and the procedures followed should be in accordance with the SABS code for the design and installation of ceramic tiles (SABS 10107:2011).



## APPLICATION

1. The epoxy chemical reaction is highly dependent upon the ambient temperature. High temperatures will significantly speed up the reaction and reduce the pot life. Do not work with the product if the ambient temperature is lower than 10°C or higher than 30°C.
2. Only apply sufficient EZEE TILE EPOXY ADHESIVE® to an area that can be tiled within 10 minutes.
3. Use a suitable notched trowel to maintain a minimum adhesive bed height of 3 - 4 mm.
4. Bed the tile into the adhesive with a twisting action to ensure maximum contact between the adhesive and tile.
5. Immediately remove any excess adhesive from between the tile joints.

## COVERAGE

As a guide, on average a 5 Kg bucket of adhesive should be sufficient to tile an area of 2 m<sup>2</sup>.

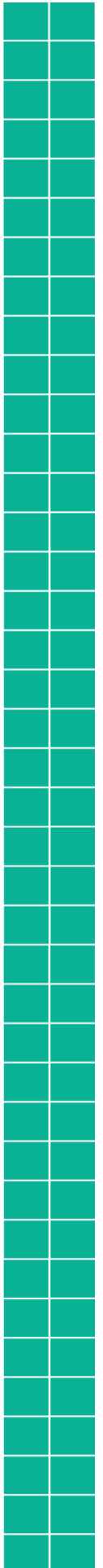
## GENERAL APPLICATION INFORMATION

1. Ensure that the back of the tiles are free of dust and contamination.
2. DO NOT BUTT JOINT TILES.
3. Minimum grouting joint width for wall tiling is 2mm and for floors 3 mm unless otherwise specified by the tile manufacturer.
4. Bed tiles into wet adhesive with a twisting action in order to ensure adequate contact with the back of the tile. The use of a rubber mallet is recommended when bedding heavy thick tiles.
5. Excessively hot or cold ambient temperatures during installation will affect setting times and may affect bond strength.
6. Remove all adhesive from the grouting joints as the application progresses.
7. Tiles with very uneven backs will require buttering with adhesive prior to bedding into the wet adhesive bed.
8. It is very important to allow for differential movement in all tiling applications so the inclusion of tile panel movement joints, structural movement joints and perimeter joints is essential.

## GROUTING

1. Allow at least 24 hours before grouting can commence.
2. Ensure that all adhesive is removed from the joints
3. Grout with EZEE TILE WATERPROOF GROUT® in various colours.

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## TECHNICAL DATA

Application Temperature	10 - 30°C
Consistency	Trowelable paste
Pot life	± 45 minutes at 20°C
Set to Foot Traffic	24 hours
Shelf Life	6 – 9 months
Compressive Strength	>50 MPa
In use temperature range	-10 to 90°C
Resistance to moisture	Excellent
Resistance to acids and alkali	Excellent
Resistance to solvents	Very Good
Packaging	5 kg & 1 kg

## PRECAUTIONS

1. Ensure that the above instructions are adhered to at all times and do not adulterate the product in any way as this could result in failure.
2. Rubber gloves should be used when applying EZEE TILE EPOXY ADHESIVE<sup>®</sup>. In the event of irritation, rinse skin under cold water. Consult a doctor if irritation persists.
3. Keep EZEE TILE EPOXY ADHESIVE<sup>®</sup> away from pets and children.
4. Do not ingest and do not empty surplus adhesive down drains.