



# EZEE TILE

## DECOUPLING AND WATERPROOFING MEMBRANE

### TECHNICAL DATA SHEET

#### PURPOSE

EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® is a two part cement based compound designed to form a waterproofing layer under ceramic, porcelain, stone and mosaic tiles. EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® may be applied onto balconies, terraces and in bathrooms, shower cubicles, laundry rooms, saunas etc. This product is highly flexible, resistant to water and common cleaning products. The highly flexible nature of this product also acts as a “shock absorber”, effectively decoupling movement forces (e.g. deflection, drying shrinkage, thermal expansion etc.) in the substrate from the tiles. As a result, the transfer of stress from the substrate to the tile layer is minimised, improving the life span and durability of the installation. Tiles must be installed onto the waterproofed surface with a high quality polymer modified adhesive (e.g. EZEE TILE SUPERBOND PORCELAIN ADHESIVE® or EZEE TILE TILE ON TILE ADHESIVE®) to ensure a good bond and superior water resistance.

#### MIXING INSTRUCTIONS

1. Pour the powder cement components into liquid component in a suitable container.
2. Mix to a creamy consistency. The use of an electric drill and paddle is recommended to ensure thorough mixing.
3. Use within 1 hour. If the product thickens, DO NOT ADD MORE WATER - rather stir thoroughly to extend pot life.
4. Do not mix in part portions.

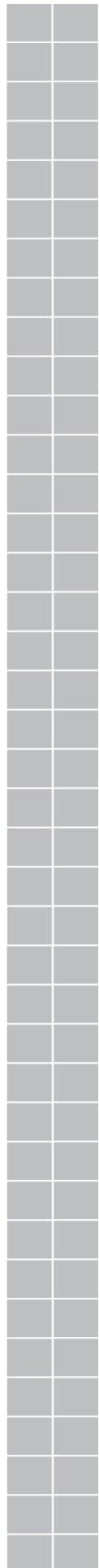
#### SURFACE PREPARATION

(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

\*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).



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.

## APPLICATION

1. Pour the EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® onto the floor and allow to flow and fill the application area.
2. Use an extended trowel or a garden broom to work the product into a smooth level surface that is at least 2mm thick.
3. For large areas, separately mix 2- 3 units at a time. This will assist in ensuring smooth joints between bags during application.
4. Apply a second coat once the first coat has dried.

As a guide, the 20 kg combined EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® system will cover approximately 5m<sup>2</sup> when applied onto a relatively even surface to a thickness of 2mm.

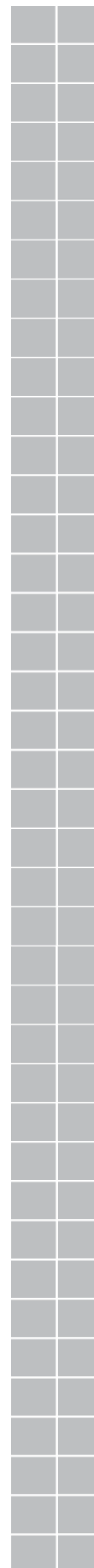
## GENERAL APPLICATION INFORMATION

1. Carefully inspect the surface of the EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® before tiling. Make sure that there are no pinpricks or breaks in the coating. If there are any surface defects, apply an additional coat.
2. Tiles must be laid with a polymer modified tile adhesive to ensure an effective bond and additional water resistance. Suitable products are EZEE TILE SUPERBOND PORCELAIN ADHESIVE®, EZEE TILE ON TILE ADHESIVE® or EZEE TILE STONE AND GLASS MOSAIC ADHESIVE®.
3. Application in areas subjected to excessive drafts or application onto a hot concrete surface in direct sunlight may result in the formation of pinpricks or cracks in the EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® surface. Limit environmental effects by shading or by applying to exterior surfaces during the early morning.
4. Fill the standard tile joints with EZEE TILE WATERPROOF GROUT® and expansion joints with EZEE TILE FLEXIBLE EXPANSION JOINT® for additional waterproofing protection.
5. Brushes and rollers must be cleaned with water before the product has dried.

## TECHNICAL DATA

Consistency when mixed	Pourable paste
Colour	Grey
Drying time	3 hours between coats at 25°C and 50% humidity 3 hours before applying tiles at 25°C and 50% humidity 24 hours for full cure at 25°C and 50% humidity
Coverage	± 5 m <sup>2</sup> per 5 Lt bucket (2 coats)
Packaging	10 kg paper bag plus a 10 Lt bucket

\*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).

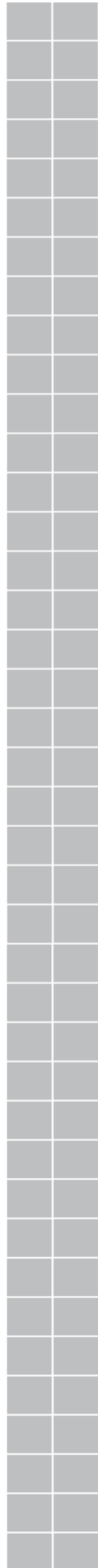


Storage  
Shelf life

Store tightly closed in the original containers  
12 months in dry moderate conditions

### **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 DECOUPLING AND WATERPROOFING MEMBRANE®. In the event of irritation, rinse skin under cold water. Consult a doctor if irritation persists.
3. Keep EZEE TILE DECOUPLING AND WATERPROOFING MEMBRANE® away from pets and children.
4. Do not ingest and do not empty surplus product down drains.



\*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).