



4.4 Ezi PREMIX MODIFIED MORTAR 104

MODIFIED PREMIX CEMENT-SAND MORTAR
FOR FLOOR SCREEDING



DESCRIPTION

Ezi PREMIX MODIFIED MORTAR 104 is a high performance modified cement-sand mortar comprising ordinary portland cement, graded washed silica sand and special additives conforming to the requirements of BS EN 1015.

USAGE

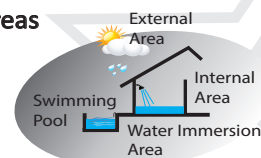
(i) Ezi PREMIX MODIFIED MORTAR 104 is specially developed for:

Floor Screeding/Leveling Mortar
onto RC slab as a screed base
to receive Ezi Tile Adhesive, colour
hardener, texcrete & etc. (also suitable
to use as a patch repair mortar).



(ii) Ezi PREMIX MORTAR 104 is suitable to use at:

Internal/External, Wet/Dry Areas
including water immersion
areas eg. swimming pool.



For very demanding situations with high performance expectations, use of **Ezi MIX SBR BOND/Ezi MIX MULTI-PLUS** (Latex Admixture) with **Ezi PREMIX MODIFIED MORTAR 104** is recommended to further enhance its physical properties.

(iii) Ideal for floor screed at thickness of:

Bonded Screed	Unbonded Screed	Floating Screed
25mm-40mm	50mm or above	Not less than 75mm

PERFORMANCE & BENEFITS

- (i) High Compressive Strength
- (ii) High Adhesion Strength
- (iii) Greater Flexural Strength
- (iv) High Abrasion Resistance
- (v) User Friendly & Good Workability
- (vi) Prevent Mixing Error
- (vii) Reduced Drying Shrinkage
- (viii) Minimised Efflorescence

PRODUCT INFORMATION

Name	: Ezi PREMIX MODIFIED MORTAR 104
Packing	: 40 KG
Shelf Life	: 12 Months in Dry Condition
Appearance	: Grey Coarse Powder
Dry Solid Content	: 100%
pH Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: 27pbw. of water for 100pbw. of powder (10.8 litre of water for 40KG of powder)
Consistency of Mix	: Creamy Paste Form
Coverage	: Approx. 38 kg/m ² (for 20 mm bed thickness) Approx. 76 kg/m ² (for 40 mm bed thickness) Approx. 95 kg/m ² (for 50 mm bed thickness) Approx. 4.21 m ² /40kg (for 5 mm bed thickness) (Approx. 45.3 ft ² /40kg for 5 mm bed thickness)
Bed Thickness	: 20 - 50 mm
Pot Life	: Approx. 3 hours
Final Setting Time	: 4 days with 20 mm of bed thickness 7 days with 50 mm of bed thickness
Drying Period	: 2 - 3 weeks (50 mm of bed thickness)
Application Temperature	: From +5 °C and at Normal Ambient Temperature

TECHNICAL DATA (Tested at approx. 25 °C)

Tensile Strength after 28 days	: 1.8 ± 0.10 N/mm ²
Compressive Strength after 28 days	: 33 ± 1.00 N/mm ²
Flexural Strength after 28 days	: 6.0 ± 0.10 N/mm ²
Resistance to Heat	: +100 °C
Resistance to Frost	: -5 °C
Resistance to Water	: Good
Resistance to Alkalies	: Fair
Resistance to Oil & Solvent	: Fair

Tested in Accordance to the Requirement of BS EN 1015

INSTRUCTION & METHOD STATEMENT

METHOD STATEMENT LONGITUDINAL DIAGRAM: FOR FLOOR SCREEDING.

1) SUBSTRATE PREPARATION

REINFORCED CONCRETE (RC) SLAB

- (i) Substrate must be well cured (at least 6 weeks old) before commencement of screeding.
- (ii) Ensure substrate is dry, sound & free of contamination e.g.: dust, grease, mould release oil, laitance etc.

Important: In extremely dry/hot condition where substrate exhibits and abnormal high degree of water suction, highly recommended to dampen the substrate before commencing screeding.

2) BONDING AGENT (SLURRY BOND COAT)

- (i) Mix 1 part **EziMIX SBR BOND** with 1.5 part **OPC** (Ordinary Portland Cement)
- (ii) Mix until a thin slurry **Bonding Agent** is obtained.
- (iii) Apply **Bonding Agent** onto RC surface by using brush/roller at thickness not more than 1mm.

Note: **Bonding Agent** is highly recommended to apply when screeding onto external areas, swimming pools or onto difficult substrate/dense & impervious substrate (eg.: waterproofed substrate, concrete etc.)

3) Ezi PREMIX MODIFIED MORTAR 104

- (i) Mix **Ezi PREMIX MODIFIED MORTAR 104** with recommended mixing ratio.
- (ii) Mix until consistent mortar is obtained.
- (iii) Immediately placed onto the RC concrete surface while the **Bonding Agent** is still wet or tacky.
- (iv) Apply mortar in the normal approved manner, ensuring that it is well compacted during application.
- (v) Recommend aged for at least 3 weeks before tiling commences.

Note: When screeding onto external areas, swimming pools or onto difficult substrates, it is recommended to mix **Ezi PREMIX MODIFIED MORTAR 104** with **EziMIX MULTI-PLUS** to replace gauging water.

Important: The ideal thickness of screed is 25- 40 mm.

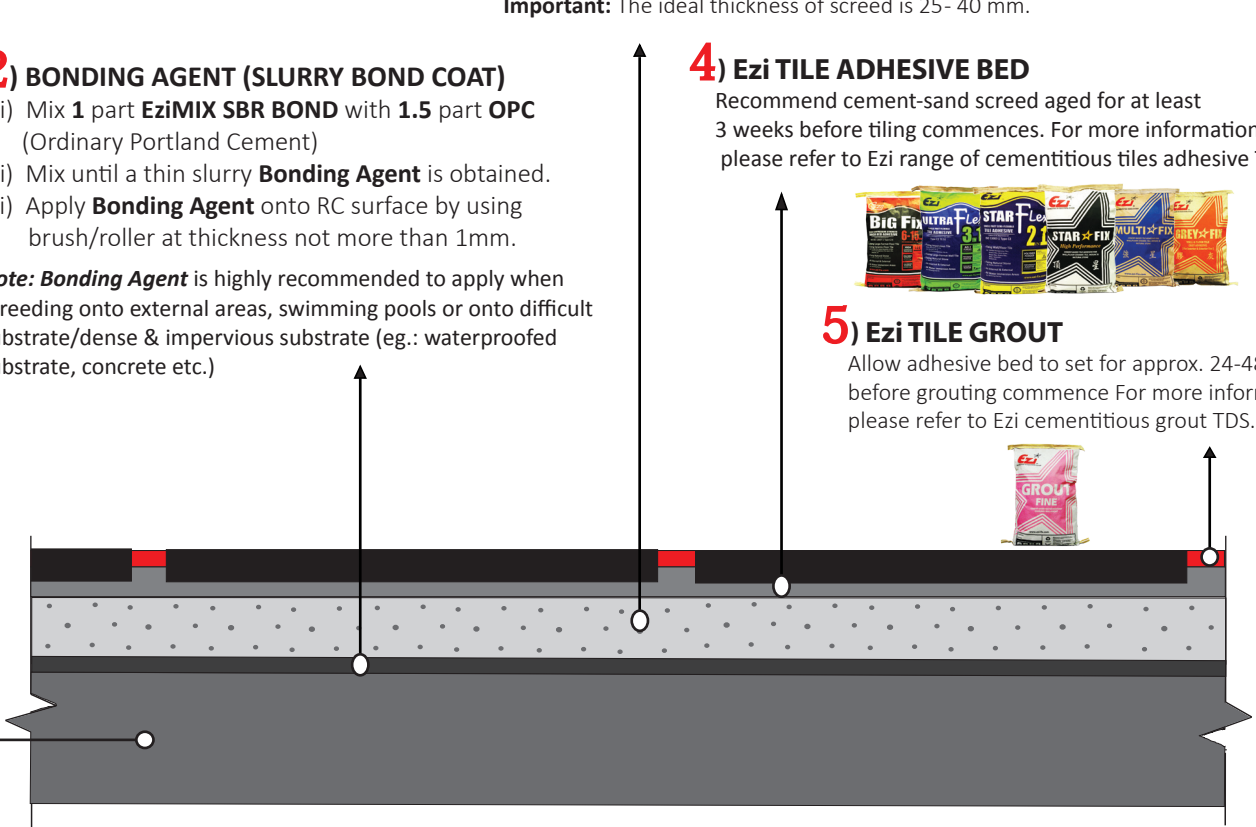
4) Ezi TILE ADHESIVE BED

Recommend cement-sand screed aged for at least 3 weeks before tiling commences. For more information, please refer to Ezi range of cementitious tiles adhesive TDS.



5) Ezi TILE GROUT

Allow adhesive bed to set for approx. 24-48 hours before grouting commence. For more information, please refer to Ezi cementitious grout TDS.



MATERIAL SAFETY INFORMATION

A non-toxic, cement-based product which is considered non-hazardous in normal usage. Avoid inhalation, ingestion, skin and eyes contact. For more details, please refer to Ezi Material Safety Data Sheet.

When working with this product, recommended to follow the safety precaution below.



WEAR DUST MASK



WEAR SAFETY GOGGLES



WEAR HAND GLOVES



WEAR SAFETY SHOES



KEEP AWAY FROM CHILDREN

COMPANY INFORMATION

MANUFACTURED BY: Ezi MOTARTECH SDN. BHD. (874800-D)

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