



# 4.4 Ezi PREMIX MODIFIED MORTAR 104

## MODIFIED PREMIX CEMENT-SAND MORTAR FOR FLOOR SCREEDING

Ezi SOLUTIONS TO TILE FIXING SYSTEM



### DESCRIPTION

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

### USAGE

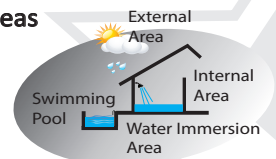
(i) Ezi PREMIX MODIFIED MORTAR 104 is specially developed for:

**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 **EziMIX SBR BOND/EziMIX 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	: 40kg
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	: Approx. 1 pbw. water to 6 pbw. Ezi PREMIX MODIFIED MORTAR 104 (6 - 7 litre water to 40 kg of Ezi PREMIX MODIFIED MORTAR 104)
Consistency of Mix	: Creamy Paste Form
Coverage	: Approx. 38 kg/m <sup>2</sup> (for 20 mm bed thickness) Approx. 76 kg/m <sup>2</sup> (for 40 mm bed thickness) Approx. 95 kg/m <sup>2</sup> (for 50 mm bed thickness) Approx. 4.21 m <sup>2</sup> /40kg (for 5 mm bed thickness) Approx. 45.3 ft <sup>2</sup> /40kg (for 5 mm bed thickness)
Bed Thickness	: 20 - 50 mm
Pot Life	: Approx. 30 - 60 minutes
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 <sup>2</sup>
Compressive Strength after 28 days	: 33 ± 1.00 N/mm <sup>2</sup>
Flexural Strength after 28 days	: 6.0 ± 0.10 N/mm <sup>2</sup>
Resistance to Heat	: +100 °C
Resistance to Frost	: -5 °C
Resistance to Water	: Good
Resistance to Alkalis	: Fair
Resistance to Oil & Solvent	: Fair

Tested in accordance to the requirements of BS EN 1015

## INSTRUCTION & METHOD STATEMENT

### METHOD STATEMENT LONGITUDINAL DIAGRAM: FOR FLOOR SCREEDING.

#### 1) SUBSTRATE PREPARATION REINFORCE 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 CEMENT-SAND SCREED

- (i) Mix 1 part **Water** with 6 parts of **Ezi PREMIX MODIFIED MORTAR 104**.
- (ii) Mix until consistent mortar is obtained.
- (iii) Immediately placed onto the RC 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 commence.

**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.

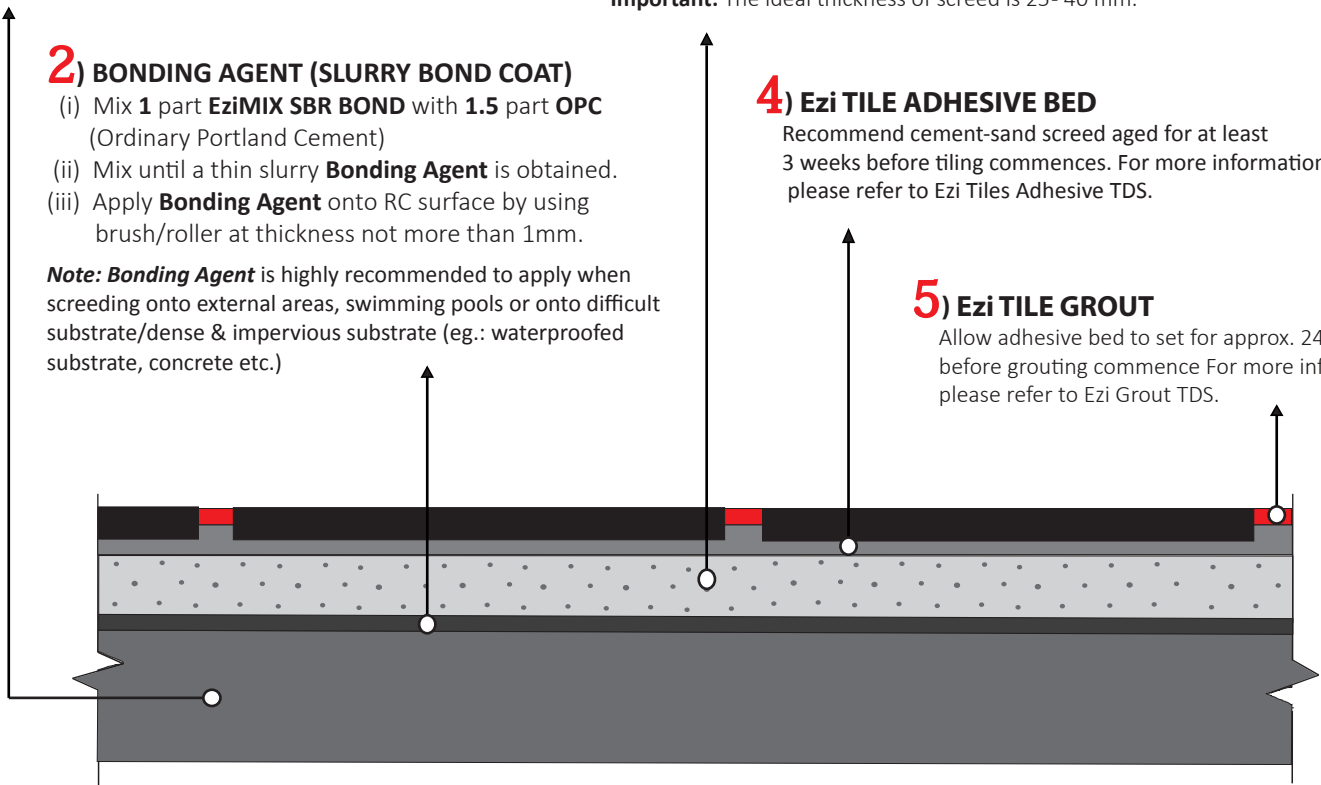
**Important:** The ideal thickness of screed is 25- 40 mm.

#### 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 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 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

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