Ezi SOLUTION TO TILE FIXING SYSTEM

# 4.3 Ezi PREMIX RENDER 103

## MODIFIED PREMIX CEMENT-SAND MORTAR FOR WALL RENDERING


## PRODUCT INFORMATION

| | | |
|---|---|---|
| Name | : | **Ezi PREMIX RENDER 103** |
| Packing | : | **40kg** |
| Shelf Life | : | **12 Months in Cool & Dry Condition** |
| Appearance | : | **Grey Semi-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 5 pbw. Ezi PREMIX RENDER 103** (7-8 L Water to 40 Kg of Ezi PREMIX RENDER 103) |
| Consistency of Mix | : | **Creamy Paste Form** |
| Coverage | : | **Approx. 1.2 kg/m²** (for 1 mm bed thickness)<br>**Approx. 12 kg/m²** (for 10 mm bed thickness)<br>**Approx. 24 kg/m²** (for 20 mm bed thickness)<br>**Approx. 6.7 m²/40kg** (for 5 mm bed thickness)<br>**Approx. 72 ft²/40kg** (for 5 mm bed thickness) |
| Bed Thickness | : | **Recommended 5 - 15 mm** (1 coat)<br>**Recommended 15 - 25 mm** (2 coats)<br>**Recommended 25 - 35 mm** (3 coats) |
| Pot Life | : | **Approx. 30-60 minutes** |
| Initial Setting Time | : | **Approx. 10 hours** |
| Final Setting Time | : | **24 - 48 hours** (depanding on atmospheric condition) |
| Drying Period | : | **1 - 2 weeks** (12mm of bed thickness) |
| Application Temperature | : | **+5 °C and at Normal Ambient Temperature** |

## TECHNICAL DATA (Tested at approx. 25 °C)

| | | |
|---|---|---|
| Tensile Strength after 28 days (BS EN 1015-12 : 2000) | : | **2.0 ± 0.10 N/mm²** |
| Compressive Strength after 28 days (BS EN 1015-11 : 1999) | : | **30 ± 1.00 N/mm²** |
| Flexural Strength after 28 days (BS EN 1015-11 : 1999) | : | **7.0 ± 0.10 N/mm²** |
| Resistance to Heat | : | **+100 °C** |
| Resistence to Frost | : | **-5 °C** |
| Resistance to Water | : | **Good** |
| Resistence to Alkalis | : | **Fair** |
| Resistence to Oil & Solvent | : | **Fair** |

***Tested in Accordance to the Requirement of BS EN 1015***

## DESCRIPTION

**Ezi PREMIX RENDER 103** is a modified, high performance cement-sand rendering mortar. Content of Portland Cement, Graded & Washed Sharp Silica Sand and Special Additives. Conform to the requirement of: BS EN 015.

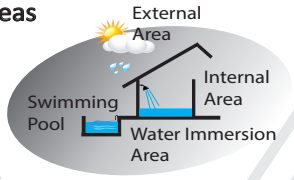
## USAGE

**(i) Ezi PREMIX RENDER 103** is specially developed for:

**Wall Rendering/Levelling Mortar** onto concrete wall, brick wall and etc., as a render coat underneath to receive Ezi Tile Adhesive, Ezi Plaster Base/Finish, paint or etc. (also suitable for use as a patch repair mortar).

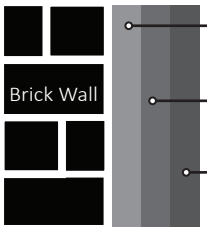
**(ii) Ezi PREMIX RENDER 103** Suitable to use on:

**Internal/External, Wet/Dry Areas** including water immersion area (e.g. swimming pool).




For very demanding situations where better performance are required, use of **EziMIX SBR BOND or EziMIX MULTI PLUS** (latex admixture) with **Ezi PREMIX RENDER 103** is recommended to further enhance its physical properties.

**(iii)** Ideal for wall render at thickness of:




- Recommended render between **5-15mm** at **1 coat**
- For greater thickness from **15-25mm** recommend to apply in 2 separate layers
- For thickness up to **35mm** or more recommend to apply in 3 separate layers

## PERFORMANCE & BENEFITS

**(i) Greater Adhesion Strength**
Maximise cement hydration to attain optimum adhesion strength.

**(ii) Greater Flexural Strength**
Provide good flexibility to absorb vibration & movement.

**(iii) Good Abrasion Resistance**
Form a strong body for a better abrasion resistance.

**(iv) User friendly & Good Workability**
Mix with clean water only. It provides hydrotrophy properties for smoother and easier trowelling.

**(v) Prevent Mixing Error**
Avoid mixing error or abuse (e.g. ratio of cement & sand), by providing greater consistency of quality in wall rendering.

**(vi) Reduce Drying Shrinkage**
Minimise shrinkage during drying period.

**(vii) Minimise Efflorescence**
Provide render with special additive which can minimise efflorescence & bleeding etc.