

# 3.1 Ezi GROUT FINE

**FINE GRADE  
COLOURED CEMENTITIOUS GROUT  
FOR GROUT JOINTS UP TO 5mm**







MADE IN MALAYSIA

## DESCRIPTION

Ezi GROUT FINE is a fine grade, water resistant, compressible, coloured cementitious grout (CG).

Conforming to the requirements of MS ISO 13007-3, classified as type CG1.

## MAIN CHARACTERISTICS

<b>High</b> Compressible Value			Narrow tile Joints up to <b>5 mm</b>
<b>Water</b> Resistant Properties			Variety of Modern <b>Colour</b>

## USAGE

### Suitable to use for :

- grouting or pointing joints between ceramic tiles, natural stones, and mosaic tiles.
- grouting or pointing joints up to 5 mm.
- internal and external, wall and floor, dry and wet areas including water immersion areas.

**Note:** - Highly recommended to mix Ezi GROUT FINE with EziMIX GT-1 to achieve optimum performance for grouting joints between low water absorption tiles ( $\leq 0.5\%$ ) in very demanding situations (e.g. swimming pool, shower room).



## COMPOSITION AND PERFORMANCE

Ezi GROUT FINE is a combination of binder, filler, special additives and pigments.

Ezi GROUT FINE offers the following benefits when mixed with clean water:

- Good Compressive Strength
- Good Flexural Strength
- Good Abrasion Resistance
- Good Durability
- High Shrinkage Resistance
- Aesthetic Appearance
- User Friendly
- Good Workability
- Water Resistant Properties
- Minimised Efflorescence

### PRODUCT INFORMATION

Name	: Ezi GROUT FINE
Packing	: 1 KG, 3.5 KG and 20 KG
Classification	: ISO 13007-3 Class CG1
Shelf Life	: 12 Months in Dry Condition
Colours	: Refer to Ezi GROUT FINE Chart
Appearance	: Fine Powder
Dry Solid Content	: 100%
pH Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

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

Mixing Ratio	: <b>40pbw. of water for 100pbw. of powder</b> 0.4 litre of water/EziMIX GT-1 for 1KG of powder 1.4 litre of water/EziMIX GT-1 for 3.5KG of powder 8 litre of water/EziMIX GT-1 for 20KG of powder
Consistency of Mix	: <b>Thin Creamy Paste Form</b>
Joint Width	: <b>Recommended up to 5 mm wide</b>
Workability	: <b>Excellent</b> (Smooth and Easy to Apply)
Pot Life	: <b>Approx. 45 minutes</b>
Light Foot Traffic	: <b>Approx. 24 hours</b>
Setting Time	: <b>Approx. 24 - 48 hours</b>
Application Temperature	: <b>From +5 °C to Normal Ambient Temperature</b>

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

Tested after 28 days	Result	Requirement
- Abrasion Resistance	: $1400 \pm 100 \text{ mm}^3$	< $2000 \text{ mm}^3$
- Flexural Strength	: $4.5 \pm 0.10 \text{ N/mm}^2$	> $2.5 \text{ N/mm}^2$
- Compressive Strength	: $19 \pm 1.00 \text{ N/mm}^2$	> $15 \text{ N/mm}^2$
- Shrinkage	: $2 \pm 0.10 \text{ mm/m}$	< $3 \text{ mm/m}$
Water Absorption		
- After 30 Minutes	: $4.0 \pm 0.10 \text{ g}$	< $5 \text{ g}$
- After 60 Minutes	: $8.0 \pm 0.10 \text{ g}$	< $10 \text{ g}$
Resistance to Heat	: $+ 100 \text{ }^\circ\text{C}$	
Resistance to Frost	: $- 5 \text{ }^\circ\text{C}$	
Resistance to Water	: <b>Good</b>	
Resistance to Alkalis	: <b>Good</b>	
Resistance to Acids	: <b>Poor</b>	
Resistance to Oil and Solvent	: <b>Fair</b>	

Tested in accordance to the requirements of MS ISO 13007-3 Type CG1

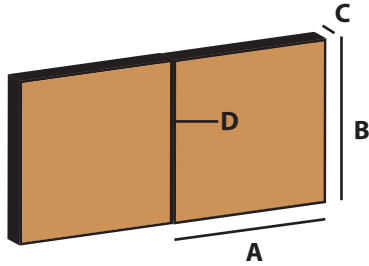
**COVERAGE**

**Coverage Calculation Formula**

$$\frac{(A+B) \times C \times D \times 1.7}{(A \times B)} = \text{_____ kg/m}^2$$

\*Unit = mm

- (A) Length of Tile
- (B) Width of Tile
- (C) Thickness of Tile
- (D) Width of Joint



**Consumption Table**

Size of tile (mm)	Width of the joint (mm)		
	2	3	5
25 x 25 x 4.0	1.09	1.63	2.72
51 x 51 x 5.0	0.67	1.00	1.67
108 x 108 x 4.0	0.25	0.38	0.63
150 x 150 x 5.5	0.25	0.37	0.62
200 x 200 x 7.5	0.26	0.38	0.64
200 x 300 x 7.5	0.21	0.32	0.53
300 x 300 x 8.0	0.18	0.27	0.45
300 x 600 x 9.0	0.15	0.23	0.38
400 x 400 x 10.0	0.17	0.23	0.43
450 x 450 x 12.0	0.18	0.27	0.45
500 x 500 x 12.0	0.16	0.24	0.41
600 x 600 x 12.0	0.14	0.20	0.34
800 x 800 x 12.0	0.10	0.15	0.26

**INSTALLATION PROCESS**



Mix Ezi GROUT FINE with clean water or latex admixture as per recommended ratio.

**(1) Preparing the Joints**

- Allocate appropriate tile joints (recommended 2 mm wide for wall and 3 mm wide for floor) during tiling installation.
- Allow adhesive bed to set for at least 24 hours before commencing grouting.
- Joints must be dry and free of contaminants (e.g. dust, grease, laitance, oil, paint, etc.).

**(2) Preparing the Mix**

- Mix Ezi GROUT FINE with recommended mixing ratio until a smooth and uniform coloured paste is achieved.
- For perfect mixture, mechanical mixing is recommended.
- Note: ensure pigments are completely dispersed during mixing.*

**(3) Spreading the Mix**

- Always apply in small areas at a time.
- Spread grout into the joints with grout float or rubber squeegee, make sure the joints are completely filled and compacted.



Spread grout to the joints with grout float or rubber squeegee.



Always apply in small areas at a time.



Clean & remove excessive grout immediately with damp cloth or sponge.



The wall grouting is completed

**(4) Finishing the Grout**

- Clean and remove excessive grout immediately by using damp cloth or sponge before it dries out.
- When the grout is sufficiently firm, polish tile surface with clean dry cloth to remove grout haze.
- Ensure minimum grout setting time of at least 24 hours.

**Noted:**

- Grouting in very demanding situations such as swimming pool, bathroom, kitchen, etc. are highly recommended to mix Ezi GROUT FINE with EziMIX GT-1 to further enhance its performance.
- Colour pigments in coloured grout may cause staining or discolouration of certain tiles or natural stone slabs; thus always conduct a trial in a small area to determine ease of cleaning and compatibility, before actual application commences.
- Some colours may not be stable or accurate when exposed to external conditions, kindly refer to Ezi Technical Advisory Department when selecting colours.
- Coloured pigmented products may cause discolouration or highlight efflorescence under external weather conditions in a certain period of time; which is a natural phenomenon.
- Applicators or users are responsible to determine suitability of grout; prior to actual application.

**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.



**COMPANY INFORMATION**

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

**FACTORY ADDRESS**

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