

### DESCRIPTION

**Ezi COLOUR HARDENER** is a proprietary dry-mix, high performance, ready-to-use, coloured product to be used as a dry mix over fresh concrete or cement-sand screed.

PRODUCT INFORMATION		
Name	:	<b>Ezi COLOUR HARDENER</b>
Packing	:	<b>25 KG</b>
Shelf Life	:	<b>12 Months in Dry Condition</b>
Appearance	:	<b>Coloured Fine Powder</b>
Dry Solid Content	:	<b>100%</b>
pH Value	:	<b>Alkaline</b>
Toxicity Hazard	:	<b>No</b>
Inflammability	:	<b>No</b>
APPLICATION DATA (Tested at approx. 25 °C)		
Application Method	:	<b>Sprinkle the colour powder</b>
Coverage	:	<b>Approx. 3 - 4 kg/m<sup>2</sup></b>
Finished Thickness	:	<b>Approx. 2 mm</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)		
Compressive Strength	:	<b>60 N</b>
Abrasion Resistance	:	<b>Very Good</b>
<i>Tested with Internal Stringent Quality Assurance &amp; Quality Control</i>		

### USAGE

#### Suitable to use for :

- industrial, commercial and residential flooring.
- fresh concrete and cement sand screed.
- light to medium duty conditions.
- aesthetical finish on plain concrete surface.
- internal and external, dry and wet, floor areas.

**Note** : - Not recommended for flooring subjected to acids, salts or materials that may attach cement.

### COMPOSITION AND PERFORMANCE

**Ezi COLOUR HARDENER** consists of binder, graded washed silica sand, coloured pigments, and special additives.

**Ezi COLOUR HARDENER** can obtain the properties given below when sprinkled on the fresh concrete:

- High Abrasion Resistance
- High Compressive Strength
- High Durability
- Uniform and Sharp Colour
- Lasting Colour
- Aesthetical Finishes

### INSTALLATION PROCESS

- The concrete mix should be placeable, finishable and of the desired strength, design with slump of 75 mm or less and no more than 3% entrained air.

- Do not use calcium chloride in concrete mix where colour hardener containing pigments will be applied. Concrete should not contain salt water or salt contaminated aggregates.

- Ensure that concrete surface is free of bleed water, prior to first floating. Concrete adjacent to forms, columns, pits and walls should be manually or mechanically floated first, as it stiffen faster than concrete in overall areas. Float overall areas once it is able to bear the weight of a finisher and a light troweling machine, equipped with float blades (disc float); without digging in or disturbing the concrete level.

- Ezi Colour Hardener can be applied in two or three applications. For jobs where two applications are specified, 2/3 (2 - 2.5 kg/m<sup>2</sup>) of the total amount is to be applied & floated during the first application. The remainder (1 - 1.5 kg/m<sup>2</sup>) is applied during second application and subsequently floated.

- The heavier the application, the thicker the colour hardener topping will be; therefore greater surface strength will be obtained. Generally, application to thickness of 2 mm would suffice (see rate of application).

- Transfer Dry Mix into pails, and broadcast by hand over concrete surface ensuring that a uniform thickness is applied throughout. Avoid lumping Dry Mix as it may cause colour or shade variation.

- Firstly, apply Dry Mix to areas adjacent to forms, columns, pits and walls, as it losses moisture more rapidly; before proceeding to overall areas.

- Once the Dry Mix had absorbed sufficient moisture (once the Dry Mix/ Colour Hardener's colour had darkened) float the Dry Mix evenly & consistently with a wooden hand float or power float. Time the floating operation so it will not be necessary to sprinkle water on the surface as it may dilute the Dry Mix and causes colour/ shade variation.

- As floating of the first coat of Dry Mix proceeds, follow immediately from behind with the second coat so it can absorb the moisture through the first coat of Dry Mix before it evaporates. Apply the second coat of Dry Mix from a right angle to ensure an even application. Should Bleed Water occurs during floating of first coat, delay application of second coat until bleed water dissipates.

- Once the second coat of Dry Mix had absorbed sufficient moisture, which again is indicated by a darkening of its colour, float the surface with a hand trowel or power float (with float blades/ disc float) ensuring an even and consistent application.

- Avoid over trowelling or floating as it will cause the Colour Hardener to dissipate into concrete. Should this occur, additional application of the Dry Mix would be required.

- Allow colour hardener topping to set for 24 - 48 hours (preferably longer).



### 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)**

#### FACTORY ADDRESS

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