



Ezi SOLUTIONS TO TILE FIXING SYSTEM

2.5 EziMIX CT BOND

MULTI-PURPOSE USAGE LATEX ADMIXTURE



DESCRIPTION

EziMIX CT BOND is a multi purpose usage latex admixture for use with cementitious tile adhesive, grout, cement, cement-sand mortar, etc. on variety of building construction applications. Suitable to use on wet/dry, internal/external areas, including water immersion areas (eg.: Swimming pools, Water tanking system etc.)

PERFORMANCE

EziMIX CT BOND is highly recommended to use as an admixture for Ezi's range of cementitious tile adhesive & grout, cement-sand mortar (render/screed) etc. to further enhance performance of various building construction applications to further such as adhesion strength, flexural strength, cohesive strength, abrasion resistant, water resistant properties, frost resistant, durability, reduces drying shrinkage, reduces surface dusting, minimizes efflorescence etc.

Improvement of the physical & chemical properties on cementitious tile adhesive products allowed it to adhere onto variety of demanding-substrates, including steel, waterproofing coated surfaces, smooth & dense concrete surfaces, existing tiles, marbles, terrazzo, building boards etc.

Enhancement of water resistant & reduces water permeability properties provide better wet-duty installation result, including water immersion areas, for example swimming pools, water tanking system etc.

USAGE

EziMIX CT BOND can be use on variety of building construction applications, as below:

(a) Admixture for tile adhesive

EziMIX CT BOND cooperated with Ezi's range of Tile Adhesive to transform normal Tile Adhesive into Latex-Modified Tile Adhesive which can be use on many tiling- applications on the following condition:

- External Wall & Floor Tiling
- Swimming Pool Tiling
- Fixing Large Format Tiles or Stone Slabs to Walls.
- Fixing of Dense/Water Impervious Tiles & Natural Stone Slabs.
- Tiling onto Dense/ Smooth Concrete.
- Tiling onto Areas/ Substrates Subjected to Movement
- Tiling onto existing Vinyl Tiles
(Note: EziMIX SBR BOND Primer required)
- Tiling onto Wet-Duty Areas.
- Tiling onto Heavy Pedestrian & Vehicular Traffic Areas.
- Tiling onto Water Impervious Substrate
(eg.: Existing Tiles, Marbles, Terrazzo, Glass, Waterproofing coated surfaces etc.)
- Tiling onto Building Boards
(eg.: Plywood, Chipboard, Cement Fiber Board etc.)
(Note: EziMIX SBR BOND Primer required)

PRODUCT INFORMATION

Name	: EziMIX CT BOND
Packing	: 4 & 20 ltrs
Shelf Life	: 12 Months in Cool & Dry Condition
Appearance	: Milky white polymer liquid
Ph Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

MIXING RATIO & COVERAGE

	Coverage
(b) Admixture for Tile Grout: Mixing Ratio: 1 pbw. to 2.5 pbw. Grout Fine 1 pbw. to 3.3 pbw. Grout Coarse	Refer to GROUT TDS
(a) Admixture for Tile Adhesive Mixing Ratio: 1 pbw. to 3pbw. Ezi's tile adhesive.	1.2 m ² /ltr (at 3mm bed thickness)
(c) Admixture for Cement-sand Mortar (render/screed) Mixing Ratio: 1pbw. to 11-14 pbw. cement-sand mix (50kg OPC + 150-200kg sharp sand)	1m ² /ltr (at 10mm bed thickness)
(d) Primer : Mixing Ratio: Direct use from the container	12 m ² /ltr (1 coat)

TECHNICAL DATA (Tested at 25 °C)

Latex Modified Tile Adhesive (1 pbw. EziMIX CT BOND + 3 pbw. Ezi STAR FIX)	
Tensile Adhesion after 28 days	: 2.75 N/mm ²
Tensile Adhesion 7 days dry + 14 days wet	: 2.57 N/mm ²
Shear Adhesion after 28 days	: 21.3 N/mm ²
Compressive Strength after 28 days	: 32.7 N/mm ²
Flexural Strength after 28 days	: 10.7 N/mm ²
Resistance to Heat	: +100 °C
Resistance to Frost	: -15 °C
Resistance to Water	: Very Good
Resistance to alkalis	: Very Good
Resistance to Oil & Solvent	: Good
Latex Modified Cement-Sand Mortar (1 pbw. EziMIX CT BOND + 3 pbw. Cement-Sand)	
Compressive Strength after 28 days	: 36.7 N/mm ²
Compressive Strength 7 days dry + 14 days wet	: 33.1 N/mm ²
Flexural Strength after 28 days	: 11.7 N/mm ²
Flexural Strength 7 days dry + 14 days wet	: 7.0 N/mm ²

Tested in reference with the Requirement of:
EN 1346, EN 1308, EN 1348, EN 1324

(b) Admixture for tile adhesive

EziMIX CT BOND to provide Latex-Modified Grout which Improve colour fastness, reduce drying shrinkage & increase compressive properties to allow compression & retraction of the fixed tile. For filling joints of wide range of ceramic tiles (water absorption < 0.5%) & natural stones etc.

Mixing Ratio: 1 pbw. to 2.5 pbw. Grout Fine
1 pbw. to 3.3 pbw. Grout Coarse

(c) Admixture for cement-sand (render/screed) :

Description: Cement-sand render/screed modified with **EziMIX CT BOND** will further improved it's adhesion strength, flexural strength, cohesive strength, abrasion resistant, frost resistant, durability, reduces water permeability, reduces drying shrinkage, minimizes efflorescence etc.

Mixing ratio :

A standard mix of 50kg OPC (portland cement) to 150 - 200kg sand (1: 3-4) will require approx. 10-15 ltrs EziMIX SBR BOND.

(slight water can be added to adjust the workability)

Procedures :

- Mix the proportion accordingly with the mixing ratio
- Mix until consistent cement-sand mortar is achieved
- Spread and level The Modified Render/Screed constantly onto the Substrate
- Recommended to let it cure for 3 weeks before any further enhancement.

(d) Finishing primer (for plastered surfaces)

Description: **EziMIX CT BOND** can be use as a finishing primer to apply on the cement-sand (render/screed), to reduce it's surface dusting, water permeability & strengthen surface bonding.

Mixing Ratio:

Dilute 1 pbw. of **EziMIX CT BOND** with 4 pbw. of water (1:4) then brush onto the plastered surfaces.

SAFETY INFORMATION

A non-Critical Hazard to man and environment polymer-based product. Long term experience of this product indicates no danger to health when properly handled under industrial conditions. This product is water-based which not combustible. Prevent from inhaling, ingestion and avoid from entering eyes. When mixed with water it produces alkaline paste form and prolonged contact with unprotected parts of body should be avoided. (For more detail please refer to Ezi MSDS)

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

Penang 1888, Jalan Lahar Bubu, Kepala Batas, 13200, Pulau Pinang.
Ipoh PT990, 2 ½ KM Off Jln Simpang Pulai-Lahat, 31300, Kampung Kepayang, Perak Darul Ridzuan.

Sales Office

Penang Tel: +604-658 8817 Fax: +604-658 8818
Ipoh Tel: +605-357 5818 Fax: +605-357 5818
K.L. Tel: +603-6277 3709 Fax: +603-627203760

Ezi Technical Advisory Centre

Tel +6012-431 8221
E-mail technical@ezi-fix.com

Website www.ezi-fix.com