



DESCRIPTION

EziMIX SBR BOND is a proprietary **STYRENE BUTADIENE RUBBER** latex admixture. Specially formulated for multi-purpose usage of building construction applications. It's suitable to use on wet/dry, interior/exterior areas, including areas under immersion of water (eg.: Swimming pools, Water tanking system etc.)

PERFORMANCE

EziMIX SBR BOND is highly recommended to use as an admixture for Ezi's range of cement-based adhesive, including ordinary portland cement, cement-sand (render/screed) etc. to further enhance its adhesion strength, flexural strength, cohesive strength, abrasion resistant, waterproofing properties, frost resistant, durability, reduces drying shrinkage, reduces surface dusting, minimizes efflorescence etc. to widen its performance for varieties of building construction application.

Besides, due to its excellent water resistant & reduces water permeability properties, it's suitable for wet-duty installation, including water immersion areas. For example swimming pool areas, water tanking system etc. It can be also use for internal light-duty waterproofing applications. (eg.: Toilets, Balcony, Kitchen, etc.)

USAGE

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

(a) Slurry Bonding Coat (Bonding agent):

Description: **EziMIX SBR BOND** mix with neat cement & apply on dense substrates (eg.: concrete surface, steel etc.) to provide a bonding layer for better adhesion to receive finishing layer. (eg.: cement-sand render/screed, tile adhesive bed etc.)

Mixing ratio : 1 pbw **EziMIX SBR BOND** to 1.5 pbw OPC

Procedures :

- Mix the proportion accordingly with the mixing ratio
- Mix until consistent thin slurry achieved
- Spread slurry onto the concrete surfaces
- Recommended using stiff brush to do the brush on
- Recommended thickness 1mm
- For optimum result recommended to apply rendering / screeding while the bonding coat is still tacky.

PRODUCT INFORMATION

Name	:	EziMIX SBR BOND
Packing	:	1, 4 & 25 ltrs
Shelf Life	:	12 Months in Cool & Dry Condition
Appearance	:	Milky white polymer liquid
Ph Value	:	Alkaline
Toxicity Hazard	:	No
Inflammability	:	No

APPLICATION DATA

Application	Mixing Ratio	Coverage
Neat Primer	: Direct Use from the Container	12 m ² /ltr (1 coat)
Slurry Bond Coat	: 1 pbw. EziMIX SBR BOND to 1.5 pbw. OPC	3m ² /ltr (1 coat)
Waterproofing Coat	: 1 pbw. EziMIX SBR BOND to 1.5 pbw. OPC	1.5 m ² /ltr (2 coat)
Admixture for Plaster	: 1-2 ltrs EziMIX SBR BOND to 25kg Ezi PLASTER	5 m ² /ltr (12mm thick)
Admixture for Cement-Sand Mortar (Render/Screed)	: 10-15 ltrs EziMIX SBR BOND to 50kg cement (+ 150-200 kg wash sharp sand)	0.8 m ² /ltr (12mm thick)
Admixture for Tile Adhesive	: 1 pbw. EziMIX SBR BOND to 3 pbw. Ezi tile adhesive	1.2 m ² /ltr (3mm thick)

TECHNICAL DATA (Tested at 25 °C)

Latex Modified Tile Adhesive (1 pbw. EziMIX SBR BOND + 3 pbw. Ezi STAR FIX)		
Tensile Adhesion after 28 days	:	3.37 N/mm ²
Tensile Adhesion 7 days dry + 14 days wet	:	3.13 N/mm ²
Shear Adhesion after 28 days	:	24.2 N/mm ²
Compressive Strength after 28 days	:	37.7 N/mm ²
Flexural Strength after 28 days	:	15.7 N/mm ²

Latex Modified Cement-Sand Mortar (1 pbw. EziMIX SBR 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

Latex Modified Slurry Bond Coat (1 pbw. EziMIX SBR BOND + 1.5 pbw. OPC)		
Compressive Strength after 28 days	:	39.7 N/mm ²
Compressive Strength 7 days dry + 14 days wet	:	38.1 N/mm ²
Flexural Strength after 28 days	:	10.7 N/mm ²
Flexural Strength 7 days dry + 14 days wet	:	6.7 N/mm ²

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

(b) **Admixture for cement-sand (render/screed) :**

Description: Cement-sand render/screed modified with **EziMIX SBR 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.

(c) **Admixture for Ezi's range of plaster**

Description: Ezi's PLASTER(FINISH/BASE) modified with **EziMIX SBR BOND** to further improved it's adhesion strength, flexural strength, cohesive strength, frost resistant, durability, reduces water permeability, reduces drying shrinkage, minimizes efflorescence etc.

Mixing Ratio:

Mix 1-2 ltrs **EziMIX SBR BOND** with approx. 25kg Ezi PLASTER FINISH/BASE. (Additional water can be added to adjust the workability)

(d) **Primer** (for Building Board & Vinyl Tiles)

Description: When subjected to the application of fixing ceramic tiles onto building board (eg. :Plywood, Cement-fiber board, Chipboard, Gypsum plaster board, Vinyl tiles etc.) Recommended to apply neat **EziMIX SBR BOND** on the substrates as a Primer, to protect substrate from moisture & provide better adhesion surface to receive adhesive bedding.

Procedures :

- Direct use from the container
- Prime **EziMIX SBR BOND** consistently onto the substrate.
- Allowed primer to cure for approx. 10-15 minutes before commencing tiling with Ezi's range of adhesive.

(e) **Finishing primer** (for plastered surfaces)

Description: **EziMIX SBR BOND** can be use as a finishing primer to apply on the plastered surfaces, to reduce it's surface dusting, water permeability & strengthen surface bonding.

Mixing Ratio:

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

(f) **Patch repair of cracked concrete**

Description: Cut along crack to create a 'V' shape groove with sufficient depth & clean joint out of contamination. Apply a layer of Bonding Agent, then immediately patching with a cement-sand mortar(1:3-4) modified with **EziMIX SBR BOND**.

(g) **Light Duty Waterproofing System**

Description: **EziMIX SBR BOND** can be also use for internal light- duty waterproofing applications. (eg.: Toilets, Balcony, Kitchen, etc.)

Mixing Ratio:

Mix 1 pbw. of **EziMIX SBR BOND** with 1.5 pbw. neat cement

Procedures :

- Mix the proportion accordingly with the mixing ratio.
- Mix until consistent thin slurry achieved.
- Brush the first coat consistently.
- Brush the second coat consistently in opposite direction.
- Allow the coating to cure for approx. 24-48 hours before Rendering/Screeding commenced.

(h) **Anti-Rusting Coat** (for Metal/Steel)

Description: **EziMIX SBR BOND** can be also use for Steel/Metal protection, to prevent from rusting.

Mixing Ratio:

Mix 1 pbw. of **EziMIX SBR BOND** with 1.5 pbw. neat cement

Procedures :

- Mix the proportion accordingly with the mixing ratio.
- Mix until consistent thin slurry achieved.
- Brush over steel bars, metal plate etc.

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.



COMPANY INFORMATION

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

Marketing Company : **Ezi FIX MARKETING SDN. BHD.** (935522-H)

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