



### DESCRIPTION

EziMIX SBR BOND is a proprietary **STYRENE BUTADIENE** Latex Admixture. It's a multi-purpose, ready to use product which contained high water resistant properties. It's suitable to use on variety of building applications, and recommended for wet/dry, interior/exterior areas, including areas under immersion of water (eg.: swimming pools area)



### PERFORMANCE

EziMIX SBR BOND is highly recommended to use as an admixture in the Ezi's range of Cement-Based products, including Ordinary Portland Cement, to further enhance the Adhesion Strength, Flexural Strength, Cohesive Strength, Abrasion Resistant, Frost Resistant, Durability, Reduces Water Permeability, Reduces Drying Shrinkage, Reduces Surface Dusting, Minimizes Efflorescence, Improved Workability etc.

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 pools area, water tanking system etc. It can be also use for internal light-duty waterproofing application (eg.: Toilets, Balcony, Kitchen, etc.)

EziMIX SBR BOND cooperated with cementitious product, will improve the physical properties to use at a wide variety of building application. It's also highly resistance to salt permeation.

### USAGE

#### (i) Slurry Bonding Coat (Bonding Agent):

Description: Slurry Bonding Coat can be used to improve the adhesion in between the cement-sand render/screed and the substrate surface. (eg.: smooth concrete surface).

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
Apperance	:	Milky White/Polymer Liquid
Solid Content	:	27.9 %
Ph Value	:	Alkaline
Toxicity Hazard	:	No
Inflammability	:	No

### APPLICATION DATA

Application	Mixing Ratio	Coverage
Neat Primer	: Direct Use from the Container	12 m <sup>2</sup> /ltr (1 coat)
Slurry Bond Coat	: 1 pbw. EziMIX SBR BOND to 2 pbw. OPC	3m <sup>2</sup> /ltr (1 coat)
Waterproofing Coat	: 1 pbw. EziMIX SBR BOND to 1.5 pbw. OPC	1.5 m <sup>2</sup> /ltr (2 coat)
Admixture for Plaste	: 2-4 ltrs EziMIX SBR BOND to 50kg Plaster	5 m <sup>2</sup> /ltr (12mm thick)
Admixture for Cement-Sand Mortar (Render/Screed)	: 10-15 ltrs EziMIX SBR BOND to 50kg Cement-sand	0.8 m <sup>2</sup> /ltr (12mm thick)
Admixture for Tile Adhesive	: 1 pbw. EziMIX SBR BOND to 3 pbw. Ezi Tile Adhesive	1.2 m <sup>2</sup> /ltr (3mm thick)

### TECHNICAL DATA (EziMIX AD-1 + Ezi STAR FIX at 25 °C )

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

<b>Latex Modified Cement-Sand Mortar</b> (1 pbw. EziMIX SBR BOND + 3 pbw. Cement-Sand)		
Compressive Strength after 28 days	:	37.7 N/mm
Compressive Strength 7 days dry + 14 days wet	:	33.1 N/mm

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

<b>Latex Modified Waterproofing Coat</b> (1 pbw. EziMIX SBR BOND + 1.5 pbw. OPC)		
Flexural Strength after 28 days	:	10.7 N/mm
Flexural Strength 7 days dry + 14 days wet	:	7.1 N/mm

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

(ii) **Latex Modified Cement-Sand Render/Screed:**

Description: Cement-Sand Render/Screed modified with SBR BOND will further improved the Adhesion Strength, Flexural Strength, Cohesive Strength, Abrasion Resistant, Frost Resistant, Durability, Reduces Water Permeability, Reduces Drying Shrinkage, Minimizes Efflorescence, Improved Workability etc.

Mixing Ratio :

Mix 50kg OPC (portland cement) with 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.

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

Description: When subjected to the application of fixing Ceramic Tiles onto Building Board. Neat EziMIX SBR BOND is highly recommended to apply on the substrates as a Primer, to protect from moisture, and provide better adhesion surface, to receive adhesive bedding.

eg. (Building Board): Plywood, Cement-Fiber Board, Chipboard, Gypsum Plaster Board, Vinyl Tiles etc.

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 range of adhesive.

(iv) **Latex Modified Plastering System**

Description: Latex Modified Plastering System, provide better physical properties for the plaster-mixture and the surface contact, to ensure better end-result.

Mixing Ratio: -

-Latex Modified Plaster  
Mix 2-4 ltrs EziMIX SBR BOND with approx. 50 kg Plaster's Powder.

-Bonding Agent (For Plastering)

Dilute 1 part EziMIX SBR BOND with 4 parts of water and add 9 parts of Plaster.

Procedure :

- Ensure surface is dry, sound and free from contamination.
- Brush the bonding Agent consistently on the substrate.
- Apply and level the modified plaster.
- For optimum result, apply the Modified Plaster while the Bonding Coat is still tacky.

(v) **Finishing Primer (for Plastered-Coat)**

Description: EziMIX SBR BOND can be use as a Finishing Primer, for the surface of the Plastered-Coat, to enhance the inherent strength and reduce surface dusting.

Mixing Ratio:

Dilute 1 part of EziMIX SBR BOND with 4 parts of water (1:4) then brush onto the Plastered-Coat

(vi) **Light Duty Waterproofing System**

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

Mixing Ratio: Mix 1 pbw of EziMIX SBR BOND with 1.5 pbw OPC (Ordinary Portland 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.

(vii) **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 OPC (Ordinary Portland Cement) by weight.

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**

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

Add: No.2, Jalan Tembaga SD5/2H, Bandar Sri Damansara,  
52200 Kuala Lumpur, Malaysia.

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

Tel(PG): +604-6588817 Fax(PG): +604-6588818

Tel(KL): +603-62773709 Fax(KL): +603-62723760

E-Mail: ezi-fix@streamyx.com

Web-site: www.ezi-fix.com

**Technical Support: EZI TECHNICAL ADVISORY CENTRE**

Tel(PG): +604-6588817 Hp(PG): +6017-3208110

Tel(KL): +603-62773713 Hp(KL): +6012-4318221

E-Mail: chongboon@ezi-fix.com