

2.1 EziMIX STAR AD-1

HIGH PERFORMANCE LATEX ADMIXTURE FOR
Ezi's RANGE TILE ADHESIVE



DESCRIPTION

EziMIX STAR AD-1 is a High Performance latex admixture. Specially formulated to use with Ezi's range of cement-based tile adhesive. It's a ready to use product which contained high polymeric properties.



PERFORMANCE

EziMIX STAR AD-1 is 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)

EziMIX STAR AD-1 is designed to use as an admixture in the Ezi's range of cement-based tile adhesive, 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, and provides greater resistant to stresses in installation, where tiling may be subjected to background vibration, movement, loading or hydrostatic pressure of pool water etc.

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

Besides, due to its 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.

USAGE

EziMIX STAR AD-1 cooperated with Ezi's range of tile adhesive to provide latex-modified tile adhesive which can be use on variety of 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 (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.)

PRODUCT INFORMATION

Name	: EziMIX STAR AD-1
Packing	: 4 ltrs & 25ltrs
Shelf Life	: 12 Months in Cool & Dry Condition
Appearance	: Milky White Polymer Liquid
Ph Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: 1 pbw. EziMIX STAR AD-1 to 3 pbw. Ezi range of Tile Adhesive. (6-7L EziMIX STAR AD-1 to 20Kg of Ezi Tile Adhesive) (7-8L EziMIX STAR AD-1 to 25Kg of Ezi Tile Adhesive)
Consistency of Mix	: Non-Slump Creamy Paste Form
Coverage	: Approx.1.2m² per liter (at 3mm bed thickness)
Bed Thickness	: Recommended 3-6 mm
Slip Resistant	: Excellent
Workability	: Good (Smooth & No Slump)
Open Time	: > 15 minutes
Adjustable Time	: > 10 minutes
Pot Life	: > 3 hours
Light Foot Traffic	: 24 hours
Setting Time	: 24 - 48 hours
Application Temperature	: +5 °C to +50 °C

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

Tensile Adhesion after 28 days	: 3.37 N/mm ²
Tensile Adhesion 7 days dry + 14 days wet	: 2.95 N/mm ²
Shear Adhesion after 28 days	: 22.5 N/mm ²
Compressive Strength after 28 days	: 33.9 N/mm ²
Flexural Strength after 28 days	: 12.7 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

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

WORKING INSTRUCTION

When working with Ezi's range of tile adhesive cooperated with **EziMIX STAR AD-1**, it is highly recommended to follow the working methods stated below:

- Ensure substrate is dry, sound and free from contamination.
- Mix **EziMIX STAR AD-1** with Ezi's range of tile adhesive until consistent non-slump mortar is achieved with the ratio of 1 part **EziMIX STAR AD-1** to 3 parts tile adhesive.
- Use of mechanical mixer is highly recommended.
- Spread the modified-adhesive mortar consistently on to the substrate using appropriate notched trowel at the bed thickness of 3-6 mm. Recommended to spread of 1m at a time to avoid skin over.
- Place tile firmly onto the adhesive bed, followed by a slight sliding action to ensure that proper contact is achieved and the hollow section/ air void are eliminated.
- Allocate minimum joints of 2 mm for wall tiling and 3 mm for floor tiling.
- Clean tile surface of residual adhesives before it sets.
- Allow bedded tiles to set for 24- 48 hours before grouting.
- Protect tiling from rain and inclement weather for between 24-48 hours.

WORKING PRECAUTION

- Highly recommended to stir/shake well the **EziMIX STAR AD-1** before use.
- Not to be use in temperature lower than 4°C
- Do not soak tiles with water.
- The "Setting time","Open Time" and "Adjustability Time" of the modified-tile adhesive will be extended slightly.

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

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

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

PENANG :

80, Jalan Masjid Negeri Negeri, 11600 Penang ,Malaysia
Tel(PG): +604-6588817 Fax(PG): +604-6588818
Web-site: www.ezi-fix.com E-Mail: ezi-fix@streamyx.com

KUALA LUMPUR :

2, Jalan Tembaga SD5/2H, Bandar Sri Damansara,
52200 Kuala Lumpur, Malaysia.
Tel(KL): +603-62773709 Fax(KL): +603-62723760

Technical Support : **Ezi TECHNICAL ADVISORY CENTRE**

E-Mail : synmonsong@ezi-fix.com

Hp : +6012-4318221