



Ezi SOLUTIONS TO TILE FIXING SYSTEM

1.6 Ezi BIG FIX 6-15

HIGH PERFORMANCE
SINGLE PART FLEXIBLE CEMENTITIOUS ADHESIVE FOR
LARGE FORMAT CERAMIC FLOOR TILES AND NATURAL STONES



DESCRIPTION

Ezi BIG FIX 6-15 is a high performance, single part, flexible, latex-modified, ultra thick bed (up to 15 mm) improved cementitious adhesive (C2) with extended open time (E). Conforming to the requirements of MS ISO 13007-1, classified as type C2 E.

MAIN CHARACTERISTICS

<p>High Compressive Properties</p>	<p>Suitable for Large Size Tiles & Stones</p>
<p>Suitable for Impervious Tiles</p>	<p>Extended Open Time</p>

USAGE

Suitable to use for :

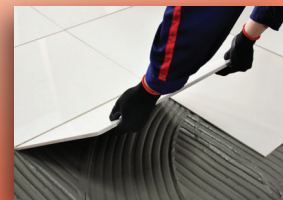
- wide range of impervious ceramic tiles (water absorption $\leq 0.5\%$) and natural stones, eg. porcelain tiles, vitrified homogeneous tiles, marbles, granites, etc.
- large format floor tiles or stones, 600 x 600 mm and above.
- heavy duty floor tiles or stones.
- ultra thick bed up to 15 mm.
- variety of substrates (refer to SUITABLE SUBSTRATES).
- internal and external, floor, dry and wet areas.

COMPOSITION AND PERFORMANCE

Ezi BIG FIX 6-15 consists of grey cement, coarse-graded washed silica sand and high performance dry powdered polymer admixture.

Ezi BIG FIX 6-15 offers the following benefits when mixed with clean water:

- High Adhesion Strength
- High Compressive Properties
- Extended Open Time
- User Friendly
- Good Workability
- Non-Slump Properties
- Prevents Mixing Errors On Site
- Water Resistant Properties
- Minimal Drying Shrinkage
- Minimised Efflorescence



PRODUCT INFORMATION

Name	: Ezi BIG FIX 6-15
Packing	: 25 KG
Classification	: ISO 13007-1 Class C2 E
Shelf Life	: 12 Months in Dry Condition
Appearance	: Grey Fine Powder
Dry Solid Content	: 100%
pH Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: 28-30pbw. of water for 100pbw. of powder (7.0-7.5 litre of water for 25KG of powder)
Consistency of Mix	: Non-Slump Creamy Paste Form
Coverage	: Approx. 4 - 5 m ² per bag (at 6 mm bed thickness)
Bed Thickness	: Recommended 6 - 15 mm
Slip Resistance	: Excellent
Workability	: Good (Smooth and Non-Slump)
Open Time	: Approx. 15 - 30 minutes
Adjustability Time	: Approx. 15 - 30 minutes
Pot Life	: Approx. 3 - 4 hours
Light Foot Traffic	: Approx. 24 hours
Setting Time	: Approx. 24 - 48 hours
Application Temperature	: From +5 °C to Normal Ambient Temperature

TECHNICAL DATA (Tested at approx. 25 °C)

	Result	Requirement
Tensile Adhesion Strength after 28 days		
- Air Dry	: 1.8 ± 0.10 N/mm ²	≥ 1.0 N/mm ²
- Water Immersion	: 1.4 ± 0.10 N/mm ²	≥ 1.0 N/mm ²
- Heat Aging	: 1.1 ± 0.10 N/mm ²	≥ 1.0 N/mm ²
- Extended Open Time (After not less than 30 mins)	: 0.7 ± 0.10 N/mm ²	≥ 0.5 N/mm ²
Resistance to Heat	: + 100 °C	
Resistance to Frost	: - 5 °C	
Resistance to Water	: Good	
Resistance to Alkalis	: Good	
Resistance to Acids	: Poor	
Resistance to Oil and Solvent	: Fair	

Tested in accordance to the requirements of MS ISO 13007-1 Type C2 E

SUITABLE SUBSTRATES

- (i) **Concrete** - It must be aged for 6 weeks. Direct fixing onto concrete may be adopted provided the surface is flat, cured and free of contamination. Surface primer may be required for direct fixing.
- (ii) **Cement-Sand Screed** - Allow new cement-sand screed to cure for 3 weeks before tiling. The screeding mortar mix should ideally be 1 part cement to 4 parts of sand.
- (iii) **Existing Tiles / Natural Stones** - Existing surface must be dry, sound & free of contamination. Hollow sections should be removed & made well before direct fixing with Ezi BIG FIX 6-15 + EziMIX STAR AD-1.
- (iv) **Existing Vinyl Tiles** - Existing surface must be dry, sound & free of contamination. Prime surface with EziMIX SBR BOND, before direct tiling with Ezi BIG FIX 6-15 + EziMIX STAR AD-1.
- (v) **Building Boards** - For example plywood, chipboard, cement-fibre board etc. must be sufficiently braced to provide a rigid substrate. Prime surface with EziMIX SBR BOND, before direct tiling with Ezi BIG FIX 6-15 + EziMIX STAR AD-1.
- (vi) **Timber Floor** - It must be rigid, strong & strengthened by overlaying it with a 15 mm thick marine plywood, screw fixed at 300mm centers to the joists. Tiling method is similar to tile installation onto "Building Boards".

Note: - Not suitable for use on substrates subjected to strong shrinkage, movement, vibration or to install moisture sensitive materials.

- Not recommended to tile over metal, painted surfaces and skim coat plaster.
- Installation in very demanding situations where greater adhesion strength and flexibility are required, recommended to mix Ezi BIG FIX 6-15 with latex admixture to replace gauging water.

INSTALLATION PROCESS



Make sure the surface is clean

(1) Preparing the Substrate

- Substrate must be dry, flat and free of contaminants, e.g. dust, grease, laitance, oil, paint, etc.

Note: dampen the surface with water only when it has become heated from exposure to sunlight.

- For various substrate preparation, kindly refer to "SUITABLE SUBSTRATES".



Prepare the mix

(2) Preparing the Mix

- Mix Ezi BIG FIX 6-15 with recommended mixing ratio until a smooth, non-slump paste is achieved. Mechanical mixing is recommended. Allow the paste to rest for approx. 10 minutes, then re-stir before using it.



Spread paste on the substrate

(3) Spreading the Mix

- Spread the paste to the substrate at bed thickness of 6 - 15 mm (may vary depending on tile size and weight) with appropriate notched trowel.

- For floor tiles or stones of size greater than 300 x 300 mm or subject to heavy loads, spread the adhesive on the back of the tiles or stones to ensure a complete coverage.

- Spread no more than 1 m² at a time to prevent Skin-Over. In normal ambient temperature and humidity conditions, the open time of Ezi BIG FIX 6-15 is approx. 30 minutes.

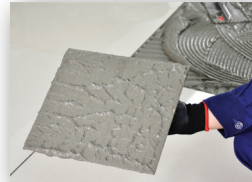
Note: Unfavourable weather conditions (e.g. extremely hot, strong wind, high temperature, etc.) or highly absorbent substrate can drastically reduce the open time.



Spread paste on the back of tile



Place tile onto the adhesive bed



Good coverage of the adhesive "Solid Bed Fixing"



Adhesive bed is no longer sticky - "Skin-Over"



Applying the Grout

(4) Installing the tiles

- Ceramic tiles should be fixed dry, they should not be soaked. Recommended to use damp cloth to clean the dusty tile back.

- Tiles should be installed with a firm pressure, and followed by slight twisting action to ensure good coverage and contact of the adhesive (Solid Bed Fixing).

- Tiles must be installed on the fresh adhesive bed within its recommended open time before Skin-Over of the adhesive occurs. If the adhesive loss of its tackiness, discard and re-apply fresh adhesive bed.

- Allocate tile joints of approximately 3 mm wide between tiles.

- Remove surplus adhesive from tile surface and joints before it hardens.

- Tiling installed with Ezi BIG FIX 6-15 must be protected from water & rain for at least 24 hours.

(5) Applying the Grout

- Grouting of tile joints with Ezi cementitious or epoxy grouts should commence at least 24 hours after adhesive had set. Setting may be delayed on dense or impervious surfaces.

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

PENANG : 1888, Jalan Lahar Bubur, Kepala Batas, 13200, Pulau Pinang.
IPOH : PT990, 2 ½ KM Off Jln Simpang Pulau-Lahat,
31300 Kampung Kepayang, Perak Darul Ridzuan.

SALES OFFICE

PENANG : ☎ +604-658 8817 ☎ +604-658 8818
IPOH : ☎ +605-357 5818 ☎ +605-357 5818
KL : ☎ +602-6277 3709 ☎ +603-6272 3760

Ezi TECHNICAL ADVISORY CENTRE

☎ +6012-431 8221 ✉ technical@ezi-fix.com

For more information please log on to: www.ezi-fix.com