

SUITABLE SUBSTRATES

- (i) **Concrete** - It must be aged for 6 weeks. Direct fixing onto concrete may be taken provided the surface is flat, cured and free of contamination. Surface primer may required for direct fixing.
- (ii) **Brick Wall / Lightweight Hollow Block** - It must be aged for 4 weeks and leveled with cement-sand mortar (render) prior to fixing tiles. Direct fixing is not recommended.
- (iii) **Aerated Lightweight Concrete Blocks (ALC)** - It must be aged for 4 weeks and leveled with cement-sand mortar (e.g. Ezi ALC PLASTER) prior to fixing tiles. Direct fixing on even surface can be done by using Ezi ULTRA FLEX 3in1. Prime surface of ALC Blocks with Ezi ALC Primer before direct fixing.
- (iv) **Cement-Sand Render/Screened** - Allow new cement-sand render/screed to cure for 2-3 weeks before tiling. The rendering/screeding mortar mix should ideally be 1 part cement : 3-4 parts of sand.
- (v) **Existing Tiles / Natural Stones** - Existing surface must be dry, sound & free of contaminations. Hollow section should be removed & made good before direct fixing.
- (vi) **Existing Vinyl Tiles** - Existing surface must be dry, sound & free of contaminations. Prime surface with EziMIX SBR BOND, before direct fixing.
- (vii) **Building Board (platform)** - 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 fixing.
- (viii) **Timber Floor** - It must be rigid, strong & strengthened by overlaying it with a 12mm thick marine plywood, screw fixed at 300mm centers to the joists. Tile Installation method is similar with "Building Board".
- (ix) **Asphalt** - It must be leveled in sound/rigid condition and of good cohesive strength before direct fixing.

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

- Not recommended to tile over metal, paint and skim coat plaster.

INSTALLATION PROCESS



Make sure the surface is clean



Prepare the mix



Spread paste onto the substrate



Spread paste on the back of tile

(1) Preparing the Substrate

- Substrate must be dry, flat & 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 more substrate preparation, kindly refer to "SUITABLE SUBSTRATES".

(2) Preparing the Mix

- Mix Ezi ULTRA FLEX 3in1 with clean water as per ratio, until a smooth, non-slump paste is achieved. Mechanical mixing is recommended.

(3) Spreading the Mix

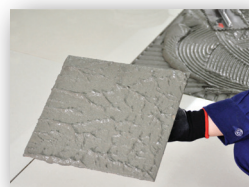
- Spread the paste to the substrate at bed thickness of 3-6mm (may vary depending on tile size & weight) with suitable notched trowel.

- For wall/floor tile size greater than 300x300mm, subject to heavy loads, spread also the adhesive on the back of the tile/stone to ensure a complete coverage.

- Spread no more than 1m² at a time to prevent Skin-over. In normal ambient temperature and humidity conditions, the open time of Ezi ULTRA FLEX 3in1 is approx. 30 minutes. [*Note : Unfavourable weather condition (e.g. extremely hot, strong wind, high temperature, etc.) or highly absorbent substrate*]



Place tile on the adhesive bed



Good coverage of the adhesive "Solid Bed Fixing"



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



Installing the Grout

can reduce the open time, even to just a few minutes]

(4) Installing the tiles

- Ceramic tiles are to be fixed dry, do not soak in water. (*Recommended to use damp cloth to clean the dusty tile back*)

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

- Touch adhesive bed periodically to ensure that a skin does not form on the surface of the spread adhesive, which should stay fresh. If not (once it became Skin-over, where adhesive bed is no longer sticky), re-trowel the adhesive bed.

- Allocate joints of approx. 3mm wide between tiles.

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

- Tiling installed with Ezi ULTRA FLEX 3in1 must be protected from water & rain for at least 24 hours.

(5) Applying the Grout

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

- Use Ezi Grout Fine for narrow tile joint 1-3mm and Ezi Grout Coarse for wide tile joint 4-12mm.

MATERIAL SAFETY INFORMATION

A non-toxic fine particle powdery cement-based product, that can be safely approach under normal condition of use, but 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

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