

E.MIX Tile Fix 303

**Cement-based dry-set tile adhesive for thin-bed wall and floor tiling
Class CITE**



E.MIX Tile Fix 303 is a polymerised and single-component dry-set tile adhesive for thin-bed wall and floor tiling. It is cement-based, water resistant and can be used in interior and exterior conditions. E.MIX Tile Fix 303 contains recycled material and is a green-labelled product endorsed by the Singapore Green Building Council. E.MIX Tile Fix 303 is designed simply to be mixed with water to give a tile adhesive that meets good strength, anti-slip, extended open time of class CITE (BS EN 12004).

PRODUCT BENEFITS



USES

E.MIX Tile Fix 303 is applicable for installation of ceramic, homogeneous, marble and granite tiles on walls and floors for both interior and exterior conditions. Suitable substrates are concrete, lightweight blockworks, water resistant plasters & screeds in dry and damp conditions.

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Grey / White
Binder	Ordinary Portland Cement / Redispersible Polymer
Filler	Graded Sand
Additives	Improve workability, open time and adhesion strength
Density	Approx. 1.5 g/cc (wet) for 26.5 % water demand
Water Demand	Approx. 26 – 28 % or 10.4 - 11.2 litres/40 kg bag
Pot Life	3 hours
Tensile Adhesion Strength (BS EN 1348: 2007)	0.62 N/mm ² (Initial Adhesion Strength) 0.85 N/mm ² (After Water Immersion) 0.53 N/mm ² (After Heat Ageing) 1.16 N/mm ² (After Freeze-Thaw Cycle)
Open Time (30 mins) (BS EN 1346: 2007)	0.58 N/mm ²
Slip Resistance (BS EN 1308:2007)	0.08 mm

- Conforms to BS EN 12004 : 2007 Class CITE

CONSUMPTION

1.2 kg/m²/mm

PRECAUTION

Tiling should not be done under extremely hot, windy and rainy conditions to avoid adverse effect on adhesion. Do not soak tiles prior to tiling. No further addition of water is allowed to unused mortar that has exceeded its pot life or has begun to set.

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PROCEDURE & APPLICATION



Ensure substrate is clean and sound. Remove loose particles, grease and traces of foreign materials that may affect adhesion.

For high absorbent substrates, dampen the surface with clean water and allow excess water to drain away before application.



Mix product with the required amount of clean water. Mix thoroughly with a mechanical mixer until mixture is homogeneous. Allow mixture to stand for 10 minutes for the additives to dissolve. Mix again and the mortar is ready for use.



Apply the mortar by pressing it firmly against the substrate with a trowel. Spread the mortar with the notched edge of trowel over an area that can be tiled within about 10 minutes. The tiles should be firmly pressed onto the sub-base and immediately knocked into position.



To check the tiling works at the beginning of tiling, remove a tile and check the mortar coverage on the back of tile. Care should be taken that the tiles are fixed in such a way that the whole backside is covered with fresh mortar. For big tiles and tiles with high ridges, applying mortar onto the substrate and back buttering the backside of tiles is recommended for best results.

Adjustment of tiles is possible within 15 minutes after installation.

Gaps for tile joints should be provided depending on the size of tiles used. Ensure that the mortar do not fill more than half the depth of the tile joints.

STORAGE & PACKING

E.MIX Tile Fix 303 is available in 40 kg bags.
Shelf life of 12 months if product is kept in sheltered and dry place.

HEALTH & SAFETY

E.MIX Tile Fix 303 contains cement, which may produce an allergic effect. Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. Please keep out of reach of children.



*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Emix Industry (S) Pte. Ltd. reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '19)

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