

## E.MIX Tile Fix 353

Cement-based, dry-set, tile adhesive: Class C2TE

**E.MIX Tile Fix 353** is a cement-based, high strength, water-resistant tile adhesive for interior and exterior conditions. E.MIX Tile Fix 353 contains recycled material and is a green-labelled product endorsed by the Singapore Green Building Council. E.MIX Tile Fix 353 meets high strength, anti-slip, extended open time of class C2TE.



### PRODUCT BENEFITS



### USES

E.MIX Tile Fix 353 is ideal for the installation of marble, granite, ceramic and homogeneous tiles on walls and floors for interior and exterior conditions. Suitable substrates are concrete, lightweight block works, water-resistant plasters and screeds in dry and damp conditions.

### TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Colour</b>	Grey/White
<b>Binder</b>	Ordinary Portland Cement/Redispersible Polymer
<b>Filler</b>	Graded Sand
<b>Additives</b>	Improve workability, open time and adhesion strength
<b>Density</b>	Approx. 1.5 g/cc (wet) for 26.5 % water demand
<b>Water Demand</b>	Approx. 26 - 28 % or 10.4 - 11.2 litres/40 kg bag
<b>Pot Life</b>	Approx. 2 - 3 hours
<b>Tensile Adhesion Strength</b> (BS EN 12004-2: 2017)	1.7 N/mm <sup>2</sup> (Initial Adhesion Strength) 1.1 N/mm <sup>2</sup> (After Water Immersion) 1.7 N/mm <sup>2</sup> (After Heat Ageing)
<b>Open Time (30 mins)</b> (BS EN 12004-2: 2017)	1.3 N/mm <sup>2</sup>
<b>Slip</b> (BS EN 12004-2: 2017)	0.08 mm
<b>Curing Time</b>	24 hours

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

### CONSUMPTION

1.2 kg/m<sup>2</sup>/mm

### PRECAUTION

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

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### **PROCEDURE & APPLICATION**



#### **Substrate Preparation**

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. For high absorbent substrates, dampen the surface with clean water and drain the excess water before application.



#### **Mixing**

Add E.MIX Tile Fix 353 with the required amount of clean water. Mix thoroughly with a mechanical mixer until the mixture is homogeneous. Allow mixture to stand for 3-5 minutes for the additives to dissolve. Mix again, and the mortar is ready for use.



#### **Application**

Apply the mortar by pressing it firmly against the substrate with a trowel. Spread the mortar with the notched edge of a trowel over an area that can be tiled in about 10 minutes. The tiles should be firmly pressed onto the sub-base and immediately knocked into position. At the beginning of tiling, remove a tile and check the mortar coverage on the back. 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 optimal results. Adjustment of tiles is possible within 15 minutes after installation. Gaps for tile joints should be provided depending on the size of the tiles used. Ensure that the mortar does not fill more than half the depth of the tile joints.

### **STORAGE & PACKING**

E.MIX Tile Fix 353 is available in 40 kg bags.

Shelf life of 12 months if unopened and kept in sheltered and dry conditions.

### **HEALTH & SAFETY**

E.MIX Tile Fix 353 contains cement, which may produce an allergic effect. Material may irritate 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. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Nov '22)



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