

GEOMIX 104 is a Green Label product that is recognised by SGLS (Singapore Green Labelling Scheme) and international Global Eco-labelling network.

GEOMIX 104 is an excellent screed that contains basic ingredients of cement and recycled material approved by National Environment Agency of Singapore, NEA. It has superb water-retention, adhesion and workability properties.

It is especially designed for medium to thick screed or for improving the surfaces of concrete before tiling and levelling to specific required thickness.

It can also be used as a topping for roof waterproofing membrane and casting of floor slab.

To achieve smooth and levelled floor for laying of carpet or vinyl tile, JURCEM SELF-FLO UNDERLAYMENT is highly recommended as a coating over GEOMIX 104.

GEOMIX 104 should not be applied on painted substrates.

TYPICAL PROPERTIES

Colour	Grey
Binder Phase	Portland Cement & Recycled Material approved by NEA
Filler Materials	Graded Silica Sand
Density (wet)	Approx. 2000 kg/m ³
Compressive Strength, ASTM C109:2002	≥ 15 N/mm ² @28 days
Flexural Strength, ASTM C348:2002	> 2 N/mm ² @28 days
Water Retentivity, BS 4551:Part1:1998	> 90%
Stiffening Time, BS EN 1015-9:1999 (Method A)	1.0 N/mm ² – ≤ 360 mins 2.0 N/mm ² – ≤ 480 mins
Pot Life	Approx. 1 hour
Quantity of water	5.4 to 6 litres of water per 40 kg bag
Coverage	Approx. 1.2 m ² /40kg bag/ 20mm thickness
Coat thickness	20 to 40 mm per coat

AREAS OF APPLICATION

1. Interior and exterior floor
2. Backing screed to floor tiles
3. For brick laying
4. Levelling of floor to specific thickness
5. Forming gradient to floor at wet areas to minimise water ponding

APPLICATION METHOD

Surface Preparation

The substrate must be clean and free from grease and loose particles. Porous and absorbent substrates must be pre-wetted with no ponding of water prior to application of GEOMIX 104.

Priming

To enhance on bonding, JURCEM BONDING AGENT is recommended for priming over substrates prior to laying of GEOMIX 104 mortar. Addition of curing compound or usage of plastic sheet to cover the finished surface is recommended for proper curing.

Mixing

Use 5.4 to 6 litres of water per 40 kg bag of GEOMIX 104. Pour the powder while mixing for at least 3 minutes with an electrical or mechanical mixer to achieve a good trowellable consistency. Do not overmix.

Placing

Mix required amount and pour screed onto the substrate, using some pressure while finishing with long wooden float or steel trowel if smoother finish is required.

Application of GEOMIX 104 is similar to all other cement mortar mixes or site cement sand mix.

Machine application is possible with GEOMIX 104 for efficient construction.

Cleaning

Clean tools with water immediately after use. Cured materials can only be removed mechanically.

PACKAGING

40 kg bag

SHELF LIFE

12 months if stored in original sealed packaging under dry and cool condition.

SAFETY PRECAUTIONS

GEOMIX 104 is non-hazardous, but due to the cementitious nature, it is advisable to wear a filter mask and protective clothing. In case of eye contact, wash copiously with water and if irritation persists, seek medical treatment.

For more detailed information, please refer to Material Safety Data Sheet.

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Identification Number: 022 006
Eco Friendly Building Material
Recycled Content: 20%