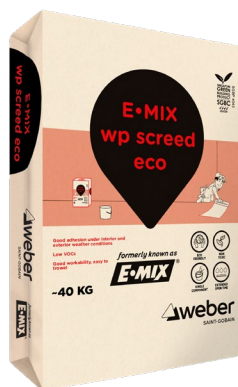


E.MIX WP Screed Eco

Waterproof mortar for screeding and levelling of floors

E.MIX WP Screed Eco is a premixed waterproof mortar for levelling rough and uneven concrete floors as underlayment or overlayment under interior and exterior conditions. E.MIX WP Screed Eco contains recycled material and is a green-labelled product endorsed by the Singapore Green Building Council.



SGBP 4043

PRODUCT BENEFITS



SINGLE COMPONENT



ECO FRIENDLY



EASY APPLICATION

USES

E.MIX WP Screed Eco is for levelling rough and uneven concrete floors with waterproofing properties. It exhibits waterproofing properties, providing a suitable substrate to receive ceramic and homogeneous tiles, marble, and granite slabs. It is also applicable for making slopes with a thickness between 15-75 mm.

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Grey
Binder	Ordinary Portland Cement/GGBS
Filler	Graded Sand
Additives	Improve consistency, workability and adhesion
Density	Approx. 1.9 kg/litre (dry); 2.0 kg/litre (wet)
Thickness	15 - 75 mm
Water Demand	Approx. 13-16% or 5.2- 6.4 litres/40 kg bag
Pot Life	Approx. 1 hour
Compressive Strength (ASTM C109/109M: 2016a)	≥ 25 N/mm ² ; ≤ 40 N/mm ²
Flow (ASTM C1437: 2015)	80 % - 120 %
Water Absorption (ASTM C413: 2001 [2012])	< 5 %
Flexural Strength (ASTM C348: 2014)	> 2 N/mm ²
Water Retentivity (BS 4551: 2005 + A2: 2013)	> 90 %
Shrinkage (Coutinho Ring)	No cracks
Stiffening Time (BS EN 1015-9: 1999) [Method A]	≤ 360 mins (1.0 N/mm ²) ≤ 420 mins (2.0 N/mm ²)
Volume Change (ASTM C827/C827M: 2016)	< 1 %
Water Penetration (DIN 1048 Pt 5: 1991) [ADM/CE/003: 2010]	< 5 mm

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.

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E.MIX WP Screed Eco

Waterproof mortar for screeding and levelling of floors

CONSUMPTION

Approx. 1.8 kg/m²/mm thick

PRECAUTION

No further addition of water is allowed to the unused mortar that has exceeded its pot life or has begun to set.

PROCEDURE & APPLICATION



Substrate Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Where necessary, especially on hot and high absorbent substrates, dampen surface before application of the screed.



Mixing

Mix E.MIX WP Screed Eco with the required amount of clean water. Mix thoroughly with a mechanical mixer until the mixture is homogeneous.



Application

E.MIX WP Screed Eco can be applied by hand or machine pumped. Mortar level pads are recommended to ensure correct and proper levelling or sloping of E.MIX WP Screed Eco. Floors laid with E.MIX WP Screed Eco should be cured for at least 24 hours before tiling works.

For thicker applications with several layers, the layer underneath must be hardened and dry before applying the subsequent layer. The wear resistance and adhesion of E.MIX WP Screed Eco can be further enhanced by the addition of E.MIX Bond Admix.

STORAGE & PACKING

E.MIX WP Screed Eco is available in 40 kg bags.
Shelf life of 12 months if unopened and kept in sheltered and dry conditions.

HEALTH & SAFETY

E.MIX WP Screed Eco 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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