E.MIX Shear Key Screed

PREMIXED CEMENTITIOUS GROUT FOR JOINTS OF HOLLOW CORE SLABS

DESCRIPTION :

E.MIX Shear Key Screed is a high quality premixed cementitious grout intended for filling of joints between hollow core slabs after installation. It is specially blended as replacement for conventional site-mixed materials.

USAGE :

- Joints filling between hollow core slabs

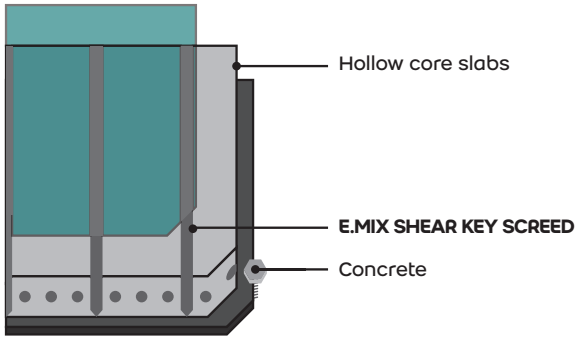
FEATURES AND BENEFITS :

- Premixed
- Ready-to-use
- Only require to add water

PREPARATION :

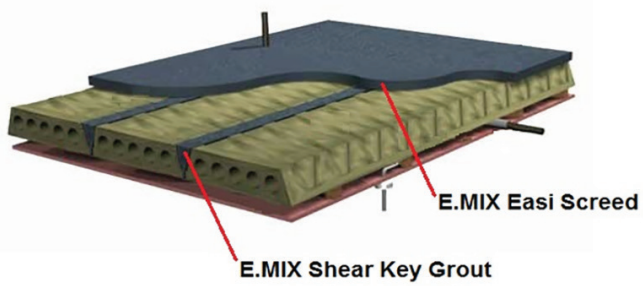
- The concrete substrate should be clean, structurally sound, adequately true and level to achieve specified tolerances, free from contamination, loose particles, grease, lacquer, plastics or traces of foreign materials, and protrusions such as wood peels, nails, excess mortar or any joints with tolerance that cannot be covered by the thickness of screed.
- Weak or soft substrates, such as asphalt, which may be subject to movement under imposed load (either in use or during material curing), must be removed.
- Concrete contaminated by oil or grease may require flame gunning and/or treatment with a proprietary degreaser. Seal up all drainage outlet.

TECHNICAL DATA	
Colour	: Grey
Binder	: Cement
Filler	: Graded sand
Aggregate Size	: 4.5 mm max
Additives	: Water soluble polymers to improve workability
Compressive Strength	: > 20 N/mm²
Pot Life	: Approx. 1 hour
Coat Thickness	: 10 – 20 mm per coat
Yield	: Approx. 1.68 kg/m³
Water demand	: Approx. 6.4 – 7.2 liters / 40 kg bag









APPLICATION :

- Before application, dampen the substrate surface with clean water and allow access to drain away. It is better to wash the substrate by high-pressure water jet before priming.
- Mix one bag (40 kg) of **E.MIX Shear Key Screed** with approximately 7.2 liters of clean water. for smaller quantity, use a power drill with whisk. For larger quantity, drum mixer is recommended. Alternatively, a mixer pump can be used. A suitable mixing time is 3 – 7 minutes depending on the type of mixing equipment. Use the mixture within 1 hour form mixing.
- Any difference in level between hollow core slabs is first adjusted with suitable device. The bottom gap between hollow core slabs is then sealed by hand with grout mixed in dry pack consistency and leave to set.
- **E.MIX Shear Key Screed** is then applied using a purpose-designed trolley with a discharge chute till 10 mm below the top of the hollow core slabs. Alternatively, the grout can be pumped into position. The grout is then compacted with a suitable vibrator finished level of the grout shall be approximately 10 – 20 mm below the top of the slabs.
- Grouting must be carried out immediately after installation of hollow core slabs prior to placing of steel reinforcement for toping concrete.

PROTECTION :

- Recommend to wear HIOSH approved or equivalent particulate facemask when mixing the material.
- Material 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.
- 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.

COVERAGE :
Approximately 1.68 kg/m³

PACKING :
Available in 40kg bag.

SHELF LIFE / STORAGE :
6 months if stored in a dry place.

TECHNICAL SERVICES :
For further details or recommendations please contact our Technical Advisory/Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

PRECAUTION :
Avoid inhaling dust. If material enter eyes, wash out immediately with Clean Water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children reach.

Conditions Of Sales :
Sold subject to Company's Condition of Sale, which is available upon request.

Note :
All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

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