



MORE THAN CONCRETE

CEMSCREED 40

SCREED, TOPPING & PAVING BEDDING MORTAR

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AVAILABLE SIZES: 25kg



DURABLE

SCAN FOR
DETAILS

DESCRIPTION

CEMIX® CEMSCREED 40 is a high strength floor screed, topping & paving bedding mortar for 10mm - 50mm deep applications. CEMIX CEMSCREED 40 is a blend of specifically selected and graded aggregate, sand, Portland cement and other performance enhancing admixtures which improve the workability and performance of the product. It has increased abrasion resistance as well as a high early and ultimate strength.

TYPICAL APPLICATION/USES

- Toppings & screeds on concrete slabs
- Floor preparation screeds
- Shower and bath bases
- Paving bedding

ADVANTAGES

- Cost effective
- Good compressive strength
- Good bond strength
- Shrinkage compensated
- Durable

SUBSTRATE PREPARATION

Concrete substrates should be sound & roughened to ensure a good bond. They should be uncoated & clean, free from all contaminants, loose particles, dirt, oil, mould, curing compounds, sealers & paints etc. Acid washing, rough honing or scabbling & then water blasting is required to prepare the surface depending on substrate condition. Washing with soap & water blasting may also be required if oil is present. Cracks should be repaired with a suitable Cemix repair product. The better the substrate preparation & condition the better the end result. The concrete substrate should ideally be at least 1 month old.

PAVER PREPARATION

When using CEMIX CEMSCREED 40 as a paving bedding mortar, the back of the pavers should be sound, clean, roughened & damp to ensure a good bond. The rougher the back of the pavers the better the end result. Concrete pavers should ideally be at least one month old.

MOVEMENT / CONTROL JOINTS

Honour any control joints in the concrete substrate – do not apply product over control joints. Mimic control joints in concrete substrate up into the mortar. Install control joints in the topping. Recommended control joint spacing is 4m x 4m. Control joints are required at topping penetrations & distinct depth changes in the topping.

MIXING

Mix whole bags of product. Add approximately 2.8L of water to mixer, then add product to water. Add rest of water slowly whilst mixing until the desired consistency is achieved. Maximum total water is approximately 3L per 25kg bag. For improved bonding & screed performance, mix CEMIX CEMSCREED 40 with 1L of CEMIX MULTIBOND and approx. 2L of water. Mix thoroughly for 2 - 3 minutes using a drill & paddle or mechanical mortar mixer. Use product immediately as this is a reasonably fast setting product. Do not mix more product than can be mixed, placed & finished in 45 minutes. Use chilled water in hot weather as well as to extend working time slightly in normal ambient temperatures.

APPLICATION

Screed / Topping:

Dampen the roughened concrete substrate & then prime it with Cemix Multibond brushed undiluted into the surface just prior to mortar application. Do not let the CEMIX MULTIBOND dry. Firmly push the CEMIX CEMSCREED 40 into the surface to



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compact it & obtain a wet bond, while the Cemix Multibond is still wet. Application is from one side of the floor to the other.

Apply product to a minimum depth of 10mm & a maximum depth of 50mm. Avoid featheredging. Compact, screed & trowel finish final surface as required. Apply product in layers for thicker repairs - Roughen the preceding layer prior to it hardening & prime the preceding layer after it has hardened as discussed above.

Paving Bedding Mortar:

Dampen the roughened concrete substrate & then prime it with CEMIX MULTIBOND brushed undiluted into the surface just prior to mortar application. Only prime the area about to come into contact with mortar & do not let the CEMIX MULTIBOND dry. Dampen the roughened back & top of the pavers & then prime them with CEMIX MULTIBOND brushed undiluted into the surface just prior to paver installation. It is useful to dip the pavers in water prior to priming to wet the whole paver. Only prime the pavers about to be used & do not let the CEMIX MULTIBOND dry. Apply CEMIX CEMSCREED 40 mortar to the wet or tacky CEMIX MULTIBOND on the concrete substrate. Apply mortar in a manner that will facilitate paver installation to the correct nominal thickness (10mm - 50mm) after tamping, by overfilling mortar ready for tamping down level.

Install primed paver onto the CEMIX CEMSCREED 40 and tamp it down into place. Tamp the paver down level ensuring falls and levels are correct. Ensure that after tamping, the mortar is in contact with the complete underside of the paver and that no voids exist. Let the mortar stiffen slightly and then tool the edges of the mortar with a suitable tool to tightly compact the mortar underneath the paver. Pavers must not rock after laying.

TECHNICAL DATA

STRENGTH	40MPa @ 28 days
APPEARANCE	Sand / Cement Grey
APPLICATION TEMP	5°C - 30°C
BOND STRENGTH	>3MPa
THERMAL COEFF. OF EXP	9.0 x 10 ⁻⁶ mm/mm/ °C
WORKING TIME	45mins @ 25oC

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations may occur on site.

Read Label Before Use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

DANGER

HAZARD STATEMENTS

- May be harmful if swallowed
- May be harmful if inhaled
- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- May cause respiratory irritation



PREVENTION

- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fumes
- Contaminated work clothing should not be allowed out of the workplace

RESPONSE

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- Take off contaminated clothing and wash before reuse
- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
- If skin irritation or rash occurs: Get medical advice/attention
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

STORAGE

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

DISPOSAL

- Dispose of contents/container in accordance with local regulations



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DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, CEMIX® PRODUCTS LTD does not give any warranty express or implied as to suitability for any particular use. For all advice concerning the use of, or suitability of this product for a particular application please contact CEMIX® PRODUCTS LTD. If this product is defective please contact the merchant the material was purchased from or CEMIX® PRODUCTS LTD who will refund or replace it at no cost in accordance with the requirements of the Consumer Guarantees Act.

SCAN QR CODE FOR MORE PRODUCT INFORMATION



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