

PRODUCT DATA SHEET

Sable Marco[®] Cement Sand Mix

Ready-to-use, pre-blended mixture of Portland cement and graded natural sand

DESCRIPTION

Sable Marco[®] Cement Sand Mix is a pre-blended, ready-to-use mixture of Portland cement and graded natural sand, designed for new concrete construction projects, concrete overlays and repairs where a thickness of 50 mm (2 in) or less is required. It meets or exceeds strength requirements ASTM C387 requirements when used as directed.

USES

Ideal for resurfacing and repairing concrete surfaces, filling cracks in existing concrete, and creating a smooth base layer for shower stall installations. Also suitable for use as a setting bed or joint filler for natural stone, brick, or concrete pavers on patios, pathways, and walkways.

FEATURES

- Ready-to-use, for easy application
- General purpose applications

PRODUCT INFORMATION

Packaging	30 kg (66 lb) bag / 56 bags per pallet
Colour	Grey
Shelf life	12 months in original unopened bag
Storage conditions	Store in a dry, covered area protected from the elements. If the product has been in contact with water or moisture or contains hardened lumps, do not use it.
Density	≈ 2200 kg/m ³ (≈ 137 lb/ft ³)
pH-Value	12

TECHNICAL INFORMATION

Compressive strength	7 days	18.8 MPa (2727 psi)	(ASTM C109)
	28 days	25.2 MPa (3655 psi)	
Note: The following data is representative of typical values achievable under laboratory conditions. Results in the field may vary			

Porosity	Maximum 8 %	(EN-1015-7 Method/ Air Content)
Mixing ratio	4.1 L (1.1 US gal) of clean, potable water / 30 kg (66 lb) bag	
Yield	Approx. 0.014 m ³ (0.5 ft ³) per 30 kg (66 lb) bag A slab of 1 m ² (11 ft ²) at 13 mm (½ in) thickness requires 30 kg (66 lb).	
Material temperature	Between 5 °C (40 °F) and 30 °C (86 °F)	
Ambient air temperature	Between 5 °C (40 °F) and 30 °C (86 °F)	
Substrate temperature	Between 5 °C (40 °F) and 30 °C (86 °F)	

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS OF USE

- Avoid application at temperatures below 5 °C (40 °F) or above 30 °C (86 °F).
- Use only clean, potable water. Do not exceed the prescribed water dosage.
- Recommended product thickness per coat from 13 mm (½ in) to 50 mm (2 in) in thickness.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- **New construction:** Ensure the area is properly prepared according to project requirements.
- **Repairs:** Surfaces to be repaired must be sound and clean. Remove all delaminated or unsound concrete using a hammer and chisel or a stiff wire brush. Rinse the area thoroughly with clean, potable water, leaving the concrete saturated but free of standing water. Some very porous concretes may require several applications of water to ensure complete saturation. If necessary, build a form around the structure to be repaired (in the case of an existing slab or sidewalk). Use a level to ensure the forms are set at the correct height and there is adequate slope for water drainage. For best results, apply a concrete bonding agent to the existing dampened substrate before pouring.

MIXING

Pour 4.1 L (1.1 US gal) of clean, potable water per 30 kg (66 lb) bag in a clean container. Gradually add the dry ingredients while mixing with a drill fitted with a mixer. Mix thoroughly until a uniform mixture is achieved. If the mixture is too thick, add a little water at a time, taking care not to thin too much to achieve

the desired consistency. Excess water reduces strength and can cause cracking. In cold weather, use warm water to accelerate the set. In hot weather, use cold water to slow the set.

APPLICATION

- **Placing:** Once mixed, place and consolidate the material inside the area. Use a straightedge board in a sawing motion to level the surface across Sable Marco® Cement Sand Mix, removing any excess and filling low spots. Allow freshly placed material to set or until the surface bleed water evaporates before finishing. Time will vary with weather conditions.
- **Finishing:** After bleed water evaporates, finish the surface to the desired texture. For a smooth finish, use a wood, magnesium, or aluminum float trowel. For a textured surface use a broom or brush. Use an edging tool to finish the edges. Avoid finishing too early or excessively working the surface, as this can lead to issues such as dusting, cracking, or surface scaling. **NOTE:** Stress control joints are placed to control where slabs crack, along a pre-determined path. Use either a hand jointer while the mix is still soft or saw cut 6 to 18 hours after hardening. Joints should be spaced approximately every 2.4 m (8 ft) in both directions and cut to a depth of at least 1/5 the slab thickness. Adjust placement to maintain a clean, symmetrical appearance. Should the repair overlay be placed over an existing concrete joint or break, it is important to tool a joint into the soft mix over the existing joint or break. Use a jointer tool to form a joint half the depth of the repair.
- **Filling cracks:** After mixing, work the Sable Marco® Cement Sand Mix into the crack with a rod or stick then level the surface with a straight edge. Finish as desired.

CURING TREATMENT

Curing involves maintaining the right temperature and humidity levels. Wait for the new material to set, until the surface is hard to the touch. Then keep the material damp or cover it with a polyethylene sheet to prevent the mixing water from evaporating for at least 3 days. Protect from frost for at least 24 hours.

CLEANING OF EQUIPMENT

Clean all tools and equipment immediately after use with water. Once hardened, material can only be removed manually or mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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