PRODUCT DATA SHEET

Sable Marco® Type S Mortar Mix

Type S mortar for high-strength applications

DESCRIPTION

Sable Marco® Type S Mortar Mix is a pre-blended, ready-to-use, masonry mortar specifically designed for laying bricks, concrete blocks, stones, and other masonry products. This mortar is a blend of cementitious material, masonry sand and other carefully selected components.

USES

To be used for foundation and retaining walls, manholes, sewers, parapet walls, and masonry applications exposed to high saturation, such as chimneys and free-standing boundary walls. It is also ideal for load-bearing walls, both indoor and outdoor, and for block tuck pointing.

FEATURES

- Ready-to-use, for easy application
- High compressive strength
- Suitable for interior or exterior applications

CERTIFICATES AND TEST REPORTS

Conforms to CSA A179 for type S Mortar (when used as directed).

PRODUCT INFORMATION

Packaging	30 kg (66 lb) bags / 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	1,900 kg/m³ (119 lb/ft³)

TECHNICAL INFORMATION

Compressive strength	7 days	7.5 Mpa (1090 psi)	(ASTM C109)
	28 days	12.5 Mpa (1810 psi)	
	All values required by the CSA A-179 Standard, as well values of the Sable Marco® Type S Mortar Mix product, are obtained under laboratory conditions.		
Porosity	Maximum 18%		(EN-1015-7 Method / Air Content)

Water retention	Minimum 70%	(ASTM C1506 / Water Retention)

APPLICATION INFORMATION

Mixing ratio	5 L (1.32 US gal) of clean, potable water / 30 kg (66 lb) bag	
Yield	Approx. 0.019 m³ (0.67 ft³) per 30 kg (66 lb) bag, equivalent to 16 blocks or 50 bricks.	
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)	
Flowability	110% ± 5%	(ASTM C1437 / Flow Table)

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.
- If the ambient air temperature is above 25 °C (77 °F), the mortar mix must be applied within 1 hour and 30 minutes of mixing. If the ambient air temperature is below 25 °C (77 °F), the mortar mix must be applied within 2 hours and 30 minutes of mixing. Any unused mortar after this period should be discarded.
- Do not apply in dry or windy weather, or on surfaces that are overly damp or frozen.
- For cold weather applications, use warm water to accelerate the set. In hot weather, use cold water to slow the set.

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

Surfaces to be worked on must be free of dirt, dust, grease, and other contaminants. For joint repairs, use a chisel to remove the damaged mortar without harming the surronding masonry. When laying new block walls, first construct a sound footing below the frost line. For other repairs, roughen the surface and remove loose materials.

MIXING

Pour 5 L (1.32 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 mortar-mixer. Mix thoroughly until a uniform mixture is acheived. If the mixture is too thick, add a little water at a time, taking care not to thin it out too much.

APPLICATION

Placing:
New construction; laying blocks: Before setting bricks in position on mortar bed, butter end with mortar. Tap into place and be sure to level. The application of the mortar must comply with the requirements of Sections 6 and 7 of CSA-A371-14.

Repairing:
Repointing: When repairing mortar joints or stucco, remove all loose and foreign material. Dampen areas to be repaired just prior to application. Use less water than recommended to create a stiffer mix to facilitate placing mortar (reduced water content will increase products compressive strenght thus ensuring that it will be sacrificial). Apply mortar with a pointing trowel and compact.

CURING TREATMENT

Protect the mortar from freezing, rain, and wind during the first 72 hours. Ensure the ambient, surface and product temperature are between 5 °C (40 °F) and 30 °C (86 °F) during application and for 72 hours afterward.

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.

Sable Marco Inc
26 Chemin de la Pêche
Pont-Rouge
QC G3H 1C3