

### PRODUCT DESCRIPTION

The Marco Concrete Mix is pre-blended and pre-packaged well proportioned mix of various size aggregates (stone, sand, etc.) and Portland cement. This product offers high strength and resistance and is ideal for multiple uses such as construction or repairs requiring a minimum thickness of 5 cm (2"). This high performance formulation offers outstanding resistance to freeze-thaw cycles as well as salt and ice melters.

### TECHNICAL SPECIFICATIONS

Minimal compressive strength at 28 days, 40 MPa (6000 psi).

### RECOMMENDATIONS

- This product must not be used in an area where the temperature is below 5°C (40°F) or above 39°C (100°F) during the application.
- Always use clean tap water.
- The use of proper and clean tools is a must.
- Always clean tools with water immediately after use.
- To be used where a 5.08 cm (2") thickness or more is required.

### DIRECTIONS

#### • Surface preparation

For all repairs, working area must be clean and free of dust, greasy or oily materials, etc., Wet the surface to cover generously with clean water (avoid flooding).

#### • Mixing

Product may be mixed in a concrete or mortar mixer. For manual mixing, pour the bag content into a mortar box or wheelbarrow. Add 3,1 litres of water per 30 kg (66 lb.) bag. Mix thoroughly. If too stiff, add a little water at a time to avoid having a highly liquid mix.

#### • Application

On a moist surface, pour the concrete mix, tamping with a stick or rod to eliminate air pockets. Level your work with a straight edge board. For a smoother surface, use a steel trowel. For a rougher finish, use a straight edge wood board or a broom or brush. Any standard finishing techniques may be used.

#### • Protection

Protect the concrete from freezing for the first 24 hours. If cold temperature is anticipated 0°C (32°F) or below, cover it up with plastic or insulating sheets.

#### • Curing

Moderate temperatures, wind, coupled with high humidity are ideal for the curing period. A high humidity or moisture level will provide better water retention or hydration to allow for optimum finished product properties. At low temperatures, the curing time will take longer. Let the concrete cure for at least 5 days at 21°C or 7 days when the temperature varies between 10° and 21°C (50° and 70°F).

#### • Cleaning

Clean all equipment and tools with water immediately after or before the concrete hardens. Once the mix has hardened, a mechanical cleaning may be required.

#### • Caution

When in contact with the cement product, wash your hands thoroughly. The cement and silica may cause skin or eye irritation. Please refer to the MSDS sheet for first aid.

### PACKAGING

30 Kg (66 lb) bags. 56 bags per skid.

### STORAGE

Store the concrete mix in a dry and covered area. Do not expose to weather. Unprotected bags have a shelf life of no more than 12 months. Concrete mix bags coming in contact with water or high moisture level causing it to harden in the bag must be discarded.

### FIRST AID

Avoid any contact with eyes, skin, ingestion or inhalation. Should you come in contact or inhale, please call the poison control office or a doctor. Do not induce vomiting. If splashed in eyes or skin, flush or rinse thoroughly with water for 15 minutes. In case of inhalation, move the exposed patient to fresh air.

**For lower compressive strength 30 MPa (4300 psi) or 35 MPa (5100 psi) use the Marco 6000 concrete mix as per example below:**

30 MPa - 4300 psi	35 MPa - 5100 psi
- 2 bags of Marco concrete mix (25 MPa) - 1 bag of Marco 6000 concrete mix (40 MPa)	- 1 bag of Marco concrete mix (25 MPa) - 2 bags of Marco 6000 concrete mix (40 MPa)

### TECHNICAL DATA

#### Concrete mix (in bag)

Physical aspect	Solid mixture
Color	Grey
Storage life	12 months in the original package in a dry and covered area.

#### Health and safety

Refer to the MSDS sheet

#### Concrete mix (after mixing)

Mixing formula (metric)	3.1 litres water /30 kg bag
Mixing formula (US)	0.8 US gal./66 lb. bag
Density	2.1 kg per litre (131 lb/pi³)
pH	12
Application temperature	5°C à 38°C (40°F à 100°F)

#### Strength requirements

Compression strength requirement -ASTM C39	
7 days	31 MPa (4500 psi)
28 days	42 MPa (6090 psi)

#### Packaging

Sac de 30 kg (66 lbs)

#### Coverage (per 30 kg (66 lb.) bag) 0.014 m³ (0.50 pi³)

Note: The coverage information is approximate and may be used for estimating only. The proper or real consumption will always depend on the actual surface, it's true profile, the type of equipment used, mixing techniques as well as a wastage percentage.

For easier project estimation or for quantity of bag, you can use our project calculator on our website.

<http://www.sablemarco.com/calculator.php>

### WARRANTY

Sable Marco inc. warrants this product when used according to the technical data sheet instructions and specifications. The materials used in making this product are of the highest quality. Sable Marco inc. will not provide any other guarantee expressed or implied. Sable Marco's warranty is limited to the replacement or reimbursement of the product (when proven defective).

### TECHNICAL INFORMATION

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