



# MAXMORTER<sup>®</sup>

## FLOOR

### FAST SETTING AND DRYING HYDRAULIC BINDER FOR LEVEL INCREASE OF FLOORS

#### DESCRIPTION

**MAXMORTER<sup>®</sup> FLOOR** is a fast setting, fast drying, hydraulic binder made of special cements and modified with polymers, that once mixed with suitable aggregates on site, is used for the thickness increase of concrete and compression layers prior to the placing of a pavement finish.

#### USES

**MAXMORTER<sup>®</sup> FLOOR** is suitable to increase the thickness of floors before application of pavement such as wood parquet, ceramic, vinyl, etc. over compression layers or concrete shortly after the application of the product, in thickness up to 4 cm.

#### ADVANTAGES

- Fast curing.
- Allows application of ceramic tiles after 24 hours.
- Allows placing wood or parquet finish after 48 hours.
- Layers up to 40 mm, per application are possible.

#### APPLICATION INSTRUCTIONS

##### Preparation of the surface

The substrate must be solid, be clean from grease, oils, dust, paint, curing agents, primers or any other substance that may hinder the good adhesion of **MAXMORTER<sup>®</sup> FLOOR**.

The substrate must be rough to facilitate the adhesion of **MAXMORTER<sup>®</sup> FLOOR**.

To improve the adhesion to a smooth substrate or between **MAXMORTER<sup>®</sup>**

**FLOOR** layers, the substrate can be primed with a suitable bonding agent such as **MAXBOND<sup>®</sup>** (Technical Bulletin N°.: 10.) and apply **MAXMORTER<sup>®</sup> FLOOR** before the **MAXBOND<sup>®</sup>** loses its tackiness, which means it is past its open time, and is still sticky.

##### Mixing

**MAXMORTER<sup>®</sup> FLOOR**, aggregates and water can be mixed in a concrete mixer or by hand.

COMPONENTS	AMOUNTS (kg)
MAXMORTER	1000
FLOOR	
CLEAN AGGREGATE	2400
0-4 mm	
GRAVEL 4-10 mm	1600
WATER	470

The recommended proportion is:

Before adding the water, the dry components should be pre-mixed with **MAXMORTER<sup>®</sup> FLOOR** in the ratios stated above.

The amount of water may vary depending on the humidity contents of the aggregates and their average size. If the aggregates are damp, the amount of mixing water should be reduced. In any case the final consistency should be such that there is no segregation or water appearing on the surface.

Do not add more water once the mix begins its setting.

##### Placing on site

The mixture obtained using the above recommendations is placed on the substrate with the help of a straight edge or trowel.

The material must be placed and levelled before 30 minutes pass after its mixture.

If an additional layer of the same mix is desired, it is advisable to provide a rough finish to the first layer to facilitate the adhesion of the second layer. The second layer should be applied between the next 8 to 24 hours.

### **Expansion joints**

It is advisable to create expansion joints all around the perimeter of the application (between rooms, hallways, etc.), around columns, in the intersection between different substrate areas, and where ever there are existing joints.

In large areas, expansion joints must be created every 40 square metres.

### **CAUTIONS**

- Do not use on vertical surfaces.
- Do not use outside.
- Do not mix **MAXMORTER® FLOOR** with other cements, lime, mortars, or similar materials.
- Do not use on substrate submitted to hydrostatic pressure or humidity.
- Do not apply at temperatures below 5°C or above 35°C.
- If the substrate is new, allow 28 days for it to complete its curing before placing **MAXMORTER® FLOOR**.

- An excessive amount of water or the use of aggregates of size different from the recommended, may cause the obtaining of different results from those indicated in this technical bulletin.

### **CONSUMPTION**

500 kg of **MAXMORTER® FLOOR** with the mixing ration indicated above produce approximately 1 m<sup>3</sup>.

### **PACKAGING**

20 kg bags and drums.

### **COLOURS**

Grey.

### **STORAGE**

Six months in bags and twelve months in drums, in their unopened original packaging, in a dry covered place, protected from dampness and frost.

## TECHNICAL DATA

<b>Mixing water (%)</b>		9,5
<b>Pot life of the mix (minutes at +20°C)</b>		30
<b>Setting time at (+20°C)</b> <b>Beginning</b>		35 Minutes
<b>End</b>		3 a 5 hours
<b>Time between layers (hours)</b>		8 - 24
<b>Mechanical strength</b>	<b>Flexural (MPa)</b>	<b>Compressive (MPa)</b>
<b>1 day</b>	4,5	23,7
<b>7 days</b>	6,4	44,6
<b>28 days</b>	7,4	48,5

Setting and application times (At 22°C and 40% R.H.)

Mechanical strengths with the type and ratio of aggregates indicated above.

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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