



MAXMORTER[®] - F

MODIFIED CEMENT FOR PREPARATION OF QUICK SETTING MORTARS FOR MULTIPLE USES

DESCRIPTION

MAXMORTER - F is a specially formulated concentrate, based on special cements and additives that provide it with ideal properties for jobs which require quick placement into service of an element. The product can be used as supplied or it can be used as a concentrate, mixing it with sand (up to 3 parts of sand per each part of product), depending on the specific application.

USES

- Masonry jobs where quick setting is of the essence and also fast placement into service. (1 part MAXMORTER - F / 3 parts aggregate).
 - Rigid fixtures and elements submitted to immediate stress.
 - Sealing of cracks and placement of sills.
 - Fast partition jobs.
 - Decorative moulding jobs.
- Other repairs where not only a fast placement into service is required, but greater mechanical and chemical properties are required (1 part MAXMORTER - F and 1-2 aggregate)
 - Repairs of foundations and concrete.
 - Column embedding.
 - Traffic wearing surfaces and industrial flooring.
 - Civil works repairs.
 - Concrete placing and repairs in the presence of water.
 - Prefabrication.
 - Sea side jobs.(Repairs in between tides, ship caulking and other jobs where quick setting and resistance to sea water are required).
 - Dry method spray.
 - Preparation of low porosity renders with very little water absorption.

ADVANTAGES

- Quick setting (even at low temperatures). Fast placement into service.
- Low shrinkage.
- High adhesion to concrete and reinforcements.
- Only requires mixing with water.
- Better chemical resistance to acidic, sulphated water and sea water than ordinary Portland cement.
- Good carbonation resistance.

APPLICATION INSTRUCTIONS

Preparation of the surface: Follow all general indications relative to the preparation and cleaning of the surfaces to be treated. The substrate must be clean, free from dust, loose particles, paints, grease, de-moulding agents, etc.

Dampen the exposed surface until saturated, without leaving excess water.

Mixing of the product: MAXMORTER - F is mixed exclusively with clean water and free of contaminants, either manually or mechanically. It is strongly advised not to surpass the water/MAXMORTER - F ratio of 0.4, for better mechanical properties.

The proportions or aggregates required for each part of MAXMORTER - F depend on the specific application and vary between 1 and 3 parts of aggregate for each part of product, (the type and size of aggregate will also depend on the application but in any case shall be clean sand). Exceeding the above amounts may negatively affect mechanical resistance.

The pot life of the mix is between 5 and 10 minutes at a temperature of 20 °C and a ratio of aggregates of 1 part for each 3 parts of MAXMORTER – F.

Mix each time only the amount of product that the applicator can apply depending on the type used, as once the pot life is passed the mortar will start setting and will no longer be workable.

Application: The application shall take place keeping in mind the usual recommendations for cementitious product application. (Do not add more water than necessary for the required application, follow the aggregate proportions indicated, do not apply at temperatures below 2 °C - 3 °C nor above 35 °C, etc.)

Curing: Under extreme conditions of wind or heat, lightly spray water over the repaired areas for at least one hour. It is also advisable to cover them during the first 24 hours if the temperature is above 25 °C and the relative humidity is below 50%.

Specific curing compounds can also be used such as our MAXCURE for this purpose.

Under extremely cold weather, protect the repair with insulating material. Do not apply below 2 °C - 3 °C or if lower ambient or substrate temperatures are expected within 24 hours of the application.

CAUTIONS

Do not mix using means that cause excessively violent action on the product nor exceed the mixing time as mechanical resistances and life expectancy of the repair can be negatively affected. MAXMORTER - F is not toxic, but is an abrasive compound in its composition. When mixing and placing, do not work with the hands without the protection of rubber gloves or without safety goggles. If the product comes in contact with the eyes, rinse with abundant clean water with out rubbing. Seek medical assistance if the irritation persists.

PACKAGING

20 kg. bags.

COLOURS

Grey.

STORAGE

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

TECHNICAL DATA

For 1 part of MAXMORTER - F and 1.5 parts of aggregate and a water / MAXMORTER - F ratio of 0.4

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|---|---------------|
| Apparent density in powder (kg / dm³) | 0.8 |
| Mixing water (% weight / weight of prod.) | 40 ± 1 |
| Density of mix (kg / dm³) | 2.150 ± 0.050 |
| Pot life (minutes, 20 °C) | 6 – 10 |
| Initial setting/final (minutes, a 20 °C) | 8 / 16 |
| Flexural strength (MPa) | |
| 1 hour | 1.2 |
| 24 hours | 3.0 |
| 28 days | 5.5 |
| 3 months | 7.5 |
| Compressive strength (MPa) | |
| 1 hour | 8 |
| 24 hours | 20 |
| 28 days | 45 |
| 3 months | 60 |

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO 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.



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