



Baobab Masonry Cement MC 22.5X

General Information

Cementis Baobab Masonry Cement is a MC 22.5X conforming to the norm of EN 413-1:2011. It is a blended cement with basaltic filler and additives for value added properties. It has a cement content greater than 60%. Baobab Masonry Cement has been designed for all masonry works and mortar preparation.

Advantages

- Water repellant and antifungal properties.
- Yields reliable workability and provides a more cohesive mix.
- Meets all requirements of Standard Specification for Masonry Cement EN 413-3.
- Mortar produced with Baobab Masonry Cement provides excellent performance in terms of strength and durability.
- With the typical mix design, the surface area covered for rendering is 2.5 m².

Application

- Masonry Mortar for rendering and plastering.
- Masonry Mortar for block laying.
- Screed.

Physical and Mechanical Properties

| Compressive strength test and setting time | Testing method | UOM | Typical average values obtained from Cementis Laboratory | EN 413-1 Norms |
|--|----------------|--------------------|--|---------------------|
| 7 days | EN 413-2 | MPa | 19 | ≥ 10MPa |
| 28 days | EN 413-2 | MPa | 29 | ≥22.5MPa, ≤ 42.5MPa |
| Consistency of cement | EN 413-2 | % | 29.8 | - |
| Initial Setting Time | EN 413-2 | Min | 190 | ≥ 60 min |
| Final Setting Time | EN 413-2 | Min | 250 | ≤ 15 h |
| Soundness | EN 196-3 | mm | 1.1 | ≤ 10mm |
| Fineness | EN 196-6 | m ² /kg | 350 | - |

Chemical Test

| Compressive strength test and setting time | Testing method | UOM | Typical average values obtained from MSB Laboratory | EN 413-3 Norms |
|--|----------------|-----|---|----------------|
| Sulphate Content | EN 196-2 | % | 1.3 | ≤ 3.5 |
| Chloride Content | EN 196-2 | % | 0.03 | ≤ 0.10 % |



Fresh Mortar Test Results

| Test | Testing method | Typical average values obtained from Cementis Laboratory | EN 413-1 Norms |
|--|----------------|--|----------------|
| Consistency of mortar by plunger penetration | EN 413-2 | 50% | |
| Bulk density of fresh mortar | EN 413-2 | 2223 kg/m ³ | |
| Air content of fresh mortar | EN 413-2 | 5.2% | ≤ 6 |

Typical Mix Design for Mortar

| | | | |
|-----------|---------------|---|-----------------|
| Rendering | 1 bag x 25 kg | 67.5 kg of fine aggregates 0/2 washed (Surface saturated dry) | ± 20 L of water |
| Mortar | 1 bag x 25 kg | 72.5 kg of fine aggregates 0/4 washed (Surface saturated dry) | ± 20 L of water |

Condition of Use

- Typical mix design is based on laboratory testing and local aggregates used. It is essential to use the correct materials, proportion and mix the materials properly, and add the correct amount of water to achieve your required mortar grade. Trial mix on site should be done as per site engineer's recommendation.
- Cementis Masonry Cement should not be mixed with other cement types.

Storage

Portland cement must be kept dry to retain its quality. Protect packaged cement from moisture and humidity. Do not stack cement bags directly on floor.

Safety

Prior to using or handling cement products, first read and understand the Safety Data Sheets (SDS) available upon request.

Availability of Products

• Cementis (Mauritius)Ltd (Chaussée Tromelin, Mer Rouge, Port Louis) ·
Baobab Distribution Centre (Valentina, Phoenix) · Baobab Distribution
Centre (Bonair Triolet) · Baobab Distribution Centre (Rose Belle) ·
Baobab Distribution Centre (Constance)

Disclaimer

The above-mentioned values are averages obtained from testing and can only be considered as indicative. Cementis (Mauritius) Ltd only guarantees the limit enforced by the standards EN 413-1. Laboratory Test Reports are available upon request.