



Baobab Special Bloc MC 22.5X

General Information

Cementis Baobab Special Bloc is a Masonry Cement MC 22.5X conforming to the norm of EN 413-1:2011. It is a blended cement with basaltic filler and has been designed to create an adequate mortar for block laying when mixed with 0/4 fine aggregates. It has a cement content greater than 55%.

Advantages

- Low-cost cement
- When mixed with 0/4 fine aggregates, it provides a better yield.
- With the typical mix design, the average quantity of block 8" used is 18 and block 6" is 25.
- Meets all requirements of Standard Specification for Masonry Cement EN 413-1
- Mortar produced with Baobab Special Bloc provide excellent performance in terms of durability.

Application

- Masonry Mortar for block laying.

Physical and Mechanical Properties

| Compressive strength test and setting time | Testing method | UOM | Typical average values obtained from Cementis Laboratory | EN 998-2 Norms |
|--|----------------|-------|--|----------------------|
| 7 days | EN 413-2 | MPa | 19.9 | ≥ 10MPa |
| 28 days | EN 413-2 | MPa | 29.2 | ≥ 22.5MPa, ≤ 42.5MPa |
| Consistency of cement | EN 413-2 | % | 28.7 | - |
| Initial Setting Time | EN 413-2 | Min | 175 | ≥ 60 min |
| Final Setting Time | EN 413-2 | Min | 240 | ≤ 15 h |
| Soundness | EN 196-3 | mm | 1.0 | ≤ 10mm |
| Fineness | EN 196-6 | m2/kg | 390 | - |

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 | 2234 kg/m ³ | |
| Air content of fresh mortar | EN 413-2 | 4.7% | ≤ 6 |

Mortar test done in lab with rocksand 0/4

| Test | Testing method | Typical average values obtained from Cementis Laboratory | EN 413-1 Norms |
|-------------------------------------|----------------|--|----------------|
| Consistency of mortar by flow table | EN 1015-3 | 190mm | |
| Bulk density | EN 1015-6 | 2340 kg/m ³ | |
| Air content | EN 1015-7 | 2.5% | ≤ 6 |
| Compressive Strength 28 days | EN 1015-11 | 11.8 Mpa | |

Typical Mix Design for Mortar

| | | | |
|--------------------------------|--|---|------------------------|
| Mortar for Block Laying | 1 bag x 25 kg Baobab Special Bloc | 3 x 33.3 = 100 kg (0/4 fine aggregates unwashed dry) | ± 20 L of water |
|--------------------------------|--|---|------------------------|

Condition of Use

- Typical mix design is based on testing and local rocksand used. It is essential to use the correct materials, proportion and mix the materials properly, add the correct amount of water to achieve your required mortar grade (e.g: M5, M10, M15, Md).
- The engineer should recommend the appropriate mortar grade for the project.
- Cementis Special Bloc 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 the 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
Bonair, Triolet
Rose Belle
Constance

Disclaimer

The above-mentioned values are averages obtained from testing results. Cementis (Mauritius) Ltd guarantees the limit enforced by the standards EN 413-1. Laboratory and In-Situ Test Reports are available upon request.