CEMENTIS

Baobab Cement High Performance
CEM II/B-Z 32.5 TU

General Information

Cementis Baobab Cement High Performance is a CEM II/B-Z 32.5 TU tropical cement conforming to the norm of EN 197-1:2011, and MS 36-3. It has a cement content of (65% - 79%) and basaltic filler content of (21% - 35%). It has been designed for renovation and construction of residential structures. This general purpose cement is suitable where the special properties of other types of Portland Cement are not required.

Advantages

- Lower heat of hydration which reduces risk of thermal cracks.
- Improved workability of concrete.
- Use of an additive to improve consistency.
- Achieve a concrete grade of minimum 25 MPa.
- Economical.

Application

- Concreting work for residential buildings.

Physical and Mechanical Properties

Compressive strength test and setting times	Testing method	UOM	Typical average values obtained from Cementis Laboratory	EN 197-1 Norms
2 days	EN 196-1	MPa	17	-
7 days	EN 196-1	MPa	28	≥ 16MPa
28 days	EN 196-1	MPa	40	≥32.5MPa ≤ 52.5MPa
Consistency	EN 196-3	%	30.1	
Initial Setting Time	EN 196-3	Min	165	≥ 75 min
Final Setting Time	EN 196-3	Min	235	
Soundness	EN 196-3	mm	1.0	≤ 10mm
Fineness	EN 196-6	m2/kg	370	-

Chemical Test

Test	Testing method	UOM	Typical average values obtained from MSB and Cementis Laboratory	EN 197-1 Norms
Sulphate Content	EN 196-2	%	1.3	≤ 3.5%
Chloride Content	EN 196-2	%	0.02	≤ 0.10
Loss on Ignition	EN 196-2	%	2.2	

Typical Mix Design for a Concrete of Grade 25MPa

Concrete	1 bag x 25 kg	54 kg of fine aggregates (Surface saturated dry)	56 kg of coarse aggregates (Surface saturated dry)	± 10 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, add the correct amount of water, and compact and cure as appropriate. · Concrete mix design needs to be varied to suit individual circumstances. It is strongly recommended

that trial mixes are carried out as per site engineer's instruction prior to commencement of work to ensure that the mix design and material combinations meet the requirements of the project.

· Cementis High Performance 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

· In bulk lorries delivered on site
· 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-mentionned 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 197-1 and MS 36-3. Laboratory Test Reports are available upon request.