ACF
Africa Cement Factory Ltd.
n° 2 jack sinclair road
plot A, tema freezone enclave
Tema, Ghana
africacementfactory.com

Portland Limestone Cement

CEM II/B-L 42.5R GS 1118: 2016

Main Constituents

65% ≤ Clinker ≤ 79%

21% ≤ Limestone ≤ 35%

3% ≤ Gypsum ≤ 5%

Characteristics

Chemistry

Sulfur Trioxide (SO3) ≤4.0%

Chloride (CI) ≤ 0.10%

Physical/Mechanical

Initial Setting Time (min)≥60

Soundness (mm) ≤ 10

Compressive strength Minimum values:

2 days: 20.0 MPa

28 days: 42.5 MPa

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Special properties of concrete manufactured with this cement

High early strength development;

High strength at all standard ages;

Wide range of uses and high performance even in moderate aggressive environments;

Improved workability and resistance to cracks and flaking.

Recommended Uses

Reinforced concrete: All strength classes, especially those in the range of C25/30 to C40/50

Plain concrete

Pavement blocks

Precast concrete products: Reinforced and pre-stressed concrete structural elements

Masonry blocks and dome in lightweight concrete Artefacts.

Tile Laying

Grouting

Screeding

Precautions in application

Respect the minimum cement dosages and the maximum normative water / cement ratios.

Ensure an adequate cure and protection according to the normative provisions.

Do not remove formwork or remove shoring before the concrete has sufficient strength.

In aggressive environments strictly follow the normative recommendations and technical texts on the subject.

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Environment and Safety

Wear suitable protective clothing, gloves and eye / face protection.

Lifting cement bag incorrectly can strain your spine

The production of this cement represents a decrease in CO2 emissions into the atmosphere.

Contraindications

Concretes under low temperatures.