



Quality of Cement

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

US\$1,500

What makes a cement good for its use, and how the properties that matter are measured and controlled.

Cement quality is not one number. A cement that gains strength quickly may be wrong for a mass pour, and a low heat cement is wrong where a form has to be stripped tomorrow. This week covers the properties that define fitness for a use, how each is measured, and what in the manufacturing process controls it. Standards and cement types are covered as the language in which all of this is agreed between maker and user.

Available as classroom, live online, in house.

Who it is for

Quality and laboratory staff, process engineers, technical sales and customer support, and concrete technologists working with cement suppliers.

What you will be able to do

- Define the properties that determine fitness for a given use.
- Measure strength, setting, soundness and heat correctly.
- Relate each property to a manufacturing control.
- Read a cement standard and a type designation.
- Advise a customer on cement selection honestly.

The outline

DAY 1

Properties

Strength development and its shape over time · Setting time and workability retention · Soundness, heat of hydration and durability

DAY 2

Measurement

Mortar and concrete strength testing · Setting and consistency methods · Fineness, Blaine and particle size distribution

DAY 3

What controls them

Clinker phase composition · Sulphate balance · Grinding fineness and distribution width

DAY 4

Types and standards

Cement types and composition limits · Strength classes · Conformity and marking

DAY 5

In use

Interaction with admixtures and aggregates · Temperature and placing conditions · Advising on selection without overpromising

What you leave with

- A property to process control map.
- A test interpretation sheet.
- A cement selection guide for common applications.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Kampala, Uganda	US\$1,500
30 November 2026 to 4 December 2026	Cairo, Egypt	US\$1,500
7 to 11 December 2026	Cape Town, South Africa	R15,000
14 to 18 December 2026	Nairobi, Kenya	US\$1,500

Fees are per delegate and cover all course materials and meals arranged by the delegate. Registration is required.

Register or ask a question

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