



Blended Cement Operation and Process Techniques

DURATION

5 days

CONTACT HOURS

30

LEVEL

Intermediate

FEE PER DELEGATE

R15,000

Producing blended cements: material selection, grinding strategy and the quality control they demand.

Blended cements cut clinker factor and emissions and are harder to make well. This week covers the supplementary materials in use, what each contributes and what it costs in early strength, and the grinding strategies available, intergrinding against separate grinding, with the particle size distribution consequences of each. Quality control gets extended attention, since blended products vary more and the standards conformity question is correspondingly tighter.

Available as classroom, live online, in house.

Who it is for

Process and quality engineers, production managers, product development staff, and technical sales handling blended products.

What you will be able to do

- Select supplementary materials on contribution, cost and availability.
- Choose between intergrinding and separate grinding for a product.
- Manage early strength loss and setting changes.
- Control quality on a product with more variable inputs.
- Meet standards conformity for a blended type.

The outline

DAY 1

The materials

Slag, fly ash, pozzolana and limestone · Reactivity and its measurement · Supply, variability and storage

DAY 2

Formulation

Replacement levels and their effects · Early and late strength behaviour · Sulphate optimisation for a blend

DAY 3

Grinding

Intergrinding and differential grindability · Separate grinding and blending · Particle size distribution consequences

DAY 4

Quality

Added variability and tighter control · Testing a blended cement · Conformity with the relevant type

DAY 5

The case

Clinker factor, cost and emissions · Market acceptance and customer education · Honest performance claims

What you leave with

- A blended product formulation with its rationale.
- A grinding strategy comparison.
- A quality control plan sized to the extra variability.

Published dates

DATES	WHERE	FEE
23 to 27 November 2026	Cape Town, South Africa	R15,000
30 November 2026 to 4 December 2026	Dar es Salaam, Tanzania	US\$1,500
7 to 11 December 2026	Dubai, United Arab Emirates	US\$1,500
14 to 18 December 2026	Port Louis, Mauritius	US\$1,500

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

Register or ask a question

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