



## Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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### COURSE BROCHURE

# Stone Dust Application For Coal Dust Inertisation Training

Health Sciences and Social Services / Preventive Health

Unit Standard 116516 · NQF Level 2 · 2 Credits · 1 Day

## COURSE OVERVIEW

This course equips learners with the knowledge and skills to apply stone dust effectively for coal dust inertisation in underground coal mines. It covers the principles of explosion prevention, correct application techniques, and compliance with South African mine health and safety regulations. By the end of the training, participants will be able to inertise coal dust to prevent explosions and ensure a safer working environment.

|                 |                                           |
|-----------------|-------------------------------------------|
| Category        | Health Sciences and Social Services       |
| Subfield        | Preventive Health                         |
| Unit Standard   | 116516                                    |
| Accreditation   | SAQA Accredited · NQF Level 2 · 2 Credits |
| Duration        | 1 day                                     |
| Training Method | Online, On-Campus, In-House               |
| Certificate     | Issued via AATICD LMS – verifiable online |

## LEARNING OUTCOMES

- Explain the principles of coal dust explosions and the role of stone dust in inertisation.
- Apply stone dust to underground mine surfaces using correct techniques and equipment.
- Monitor and maintain adequate stone dust coverage to comply with safety standards.
- Evaluate the effectiveness of stone dust application through sampling and testing.
- Demonstrate compliance with relevant mine health and safety legislation and procedures.

## WHO SHOULD ATTEND

- This course is designed for mine workers, safety officers, and supervisors involved in underground coal mining operations where coal dust inertisation is required.

## COURSE OUTLINE

### Day 1: Fundamentals of Stone Dust Application for Coal Dust Inertisation

- Introduction to coal dust explosion hazards and the inertisation principle.
- Legal framework: Mine Health and Safety Act, regulations, and SANS standards.
- Stone dust characteristics: particle size, composition, and effectiveness.
- Methods for applying stone dust: manual, mechanical, and automated systems.
- Sampling techniques for stone dust concentration measurement.
- Testing methods: explosibility tests, dust sampling, and analysis.
- Safety precautions: personal protective equipment, dust control, and emergency procedures.
- Record keeping and reporting requirements for compliance.

## ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **2 NQF credits** at **NQF Level 2**.

## PRICING (PER DELEGATE, EX-VAT)

| Delegates | Training Method      | Price per Delegate | Total       |
|-----------|----------------------|--------------------|-------------|
| 1         | Online               | R 12,800.00        | R 12,800.00 |
| 1         | In-House             | R 16,600.00        | R 16,600.00 |
| 1         | On-Campus (Pretoria) | R 19,200.00        | R 19,200.00 |

## UPCOMING SESSIONS

| Start       | End         | Method    | Venue                   |
|-------------|-------------|-----------|-------------------------|
| 10 Aug 2026 | 10 Aug 2026 | On-Campus | Abu Dhabi, UAE          |
| 11 Aug 2026 | 11 Aug 2026 | On-Campus | Durban, South Africa    |
| 11 Aug 2026 | 11 Aug 2026 | On-Campus | Mauritius               |
| 12 Aug 2026 | 12 Aug 2026 | On-Campus | Cape Town, South Africa |
| 13 Aug 2026 | 13 Aug 2026 | On-Campus | Dubai, UAE              |
| 14 Aug 2026 | 14 Aug 2026 | On-Campus | Pretoria, South Africa  |
| 17 Aug 2026 | 17 Aug 2026 | On-Campus | Durban, South Africa    |
| 18 Aug 2026 | 18 Aug 2026 | On-Campus | Shenzhen, China         |

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

## HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit [www.aaticd.co.za](http://www.aaticd.co.za), open the page for this course (Unit Standard 116516) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to [apply@aaticd.co.za](mailto:apply@aaticd.co.za) – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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