



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

Palletising Bagged Dry Mineral Products Safely And Efficiently Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110146 · NQF Level 3 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and efficiently palletise bagged dry mineral products. It covers correct lifting techniques, pallet stacking procedures, and adherence to health and safety regulations to minimise risk of injury and product damage. The training aims to improve productivity and compliance in mineral handling environments.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110146
Accreditation	SAQA Accredited · NQF Level 3 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safe lifting and handling techniques to prevent injury when palletising bagged dry mineral products.
- Demonstrate correct stacking patterns and weight distribution to ensure load stability.
- Implement workplace safety procedures and use personal protective equipment (PPE) appropriately.
- Evaluate potential hazards in the palletising area and take corrective action.
- Perform palletising tasks efficiently while maintaining quality and productivity standards.
- Comply with relevant health and safety legislation and organisational policies.

WHO SHOULD ATTEND

- This course is designed for operators, warehouse personnel, and logistics staff involved in handling and palletising bagged dry mineral products in mining, processing, or distribution settings.

COURSE OUTLINE

Day 1: Introduction to Palletising and Safety Fundamentals

- Course overview and unit standard 110146
- Legal framework: OHS Act, Mine Health and Safety Act
- Hazard identification: dust, heavy loads, moving equipment
- PPE requirements: gloves, dust masks, safety boots, high-vis
- Manual handling techniques: lifting, carrying, stacking
- Introduction to pallet types and load stability

Day 2: Bag Handling and Pallet Construction

- Bag types: paper, polypropylene, woven; moisture and tear resistance
- Lifting techniques: squat lift, power zone, team lifting
- Pallet construction: base, layer pattern, stacking height limits
- Interlocking patterns: block, brick, pinwheel
- Load stability: centre of gravity, banding, stretch wrap
- Bag inspection: tears, spills, labelling

Day 3: Palletising Equipment and Safe Operation

- Equipment types: manual, semi-automatic, robotic palletisers
- Pre-start inspections: guards, sensors, emergency stops
- Operating controls: conveyor speed, layer forming, discharge
- Emergency procedures: stop, lockout, tagout
- Housekeeping: spill cleanup, clear walkways
- Basic fault-finding: jam detection, misalignment

Day 4: Load Securing and Wrapping Techniques

- Wrapping materials: stretch film, strapping, edge protectors
- Stretch wrap application: tension, overlap, number of layers
- Strapping methods: steel, plastic; tensioning tools
- Load stability tests: tilt test, compression
- Transport considerations: stacking in trucks, tie-downs
- Damage prevention: sharp edges, moisture, shifting

Day 5: Quality Control and Housekeeping

- Quality standards: weight, height, alignment, stability
- Inspection checkpoints: after palletising, before wrapping, before dispatch
- Defect types and root causes
- Corrective actions: re-stacking, re-wrapping, rejection
- Housekeeping procedures: sweeping, spill kits, waste disposal
- Reporting: log sheets, non-conformance reports

Day 6: Teamwork and Communication in Palletising Operations

- Team roles: operator, spotter, forklift driver, quality checker
- Communication methods: hand signals, two-way radios, verbal commands
- Workflow coordination: pace, handoffs, bottleneck management
- Conflict resolution: assertiveness, respect, problem-solving
- Safety communication: warning calls, stop signals

- Shift handover procedures

Day 7: Health, Ergonomics, and Fatigue Management

- Ergonomic risk factors: repetitive motion, awkward postures, force
- Workstation design: adjustable height, anti-fatigue mats
- Stretching routines: before shift, during breaks
- Fatigue management: rest breaks, hydration, nutrition
- Shift work: circadian rhythms, sleep hygiene
- Reporting discomfort and early intervention

Day 8: Emergency Response and Incident Management

- Emergency types: fire, chemical spill, entrapment, injury
- Fire safety: classes of fire, extinguisher types, PASS technique
- Spill response: containment, cleanup, disposal
- First aid: cuts, strains, dust inhalation
- Evacuation: routes, assembly points, headcount
- Incident reporting: immediate, written, root cause

Day 9: Integrated Practical Assessment and Course Review

- Simulated operation: from bag receipt to load dispatch
- Safety checklist: PPE, equipment checks, hazard awareness
- Quality checklist: load stability, wrapping, labelling
- Team coordination: roles, communication, handoffs
- Feedback and reflection: strengths, weaknesses, improvements
- Action plan for workplace implementation

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 **12 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 33,300.00	R 33,300.00
1	In-House	R 43,300.00	R 43,300.00
1	On-Campus (Pretoria)	R 50,000.00	R 50,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	13 Aug 2026	On-Campus	Mauritius
04 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
05 Aug 2026	17 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	18 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	18 Aug 2026	On-Campus	Lagos, Nigeria
07 Aug 2026	19 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	20 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE

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, open the page for this course (Unit Standard 110146) 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 – 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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