

Unit ID: FM001

Domain
Unit Title:
Level: 3

MAINTENANCE OPERATIONS
Prime and paint surfaces

Credits: 15

Purpose

This unit standard is intended for those who paint surfaces as part of facility maintenance operations. People holding credit for this unit standard are able to: Identify and describe painting materials and their uses; Plan and prepare for work; Prime surfaces for painting; Coat surfaces with paint; and Clean up work area.

Special Notes

1. Assessment evidence may be collected from a real workplace or a simulated workplace in which facility maintenance operations are carried out.
 - The candidate is required to adhere to safe working practices throughout all elements, which may include but are not limited to day-to-day observation of safety policies and procedures, compliance with emergency procedures, and fire fighting procedures.
 - The candidate is required to apply planning and organising skills, problem solving skills, and self-management skills.
2. Specifications refer to any, or all of the following: manufacturer's specifications and recommendations, and workplace specific requirements.
3. Performance of all elements in this unit standard must comply with relevant regulatory, legislative, and workplace requirements, manufacturers' specifications, and/or best industry practice.
4. Regulations and legislation, including subsequent amendments, relevant to this unit standard may include but are not limited to the following:
 - Labour Act, No. 11, 2007;
 - Regulations relating to the Health and Safety of employees at work, 1997; and all industry specific regulations, legislations, code of practice, or code of conduct.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority. All approved unit standards, qualifications and national

assessment arrangements are available on the Namibia Training Authority website www.nta.com.na.

Elements and Performance Criteria

Element 1: Identify and describe painting materials and their uses

Range

Water-based paints are limited to latex primer; matt paint; eggshell finish; semi-gloss; and high gloss.

Oil-based paints are limited to primer; matt paint; semi-gloss; and high gloss.

Special paints are limited to floor paint and paint to cover metal.

Wood finishes are limited to varnish; lacquer; and stain.

Wall coverings are limited to wallpaper; paste; and adhesives.

Performance Criteria

- 1.1 The use of water-based paints is identified and described.
- 1.2 The use of oil-based paints is identified and described.
- 1.3 The use of solvents and thinners is identified and described.
- 1.4 The use of special paints is identified and described.
- 1.5 The use of wood finishes is identified and described.
- 1.6 The use of wall coverings is identified and described.
- 1.7 The use and purpose of paint is described.
- 1.8 Environmental protection requirements are identified and described.

Element 2: Plan and prepare for work

Performance Criteria

- 2.1 Work instructions, including specifications and operational details from product labels, quality and quantity requirements are obtained, explained, clarified and applied to the allocated task.
- 2.2 Potential hazards, including implications of exposure to hazardous fumes and substances in the work area, are identified, minimised or eliminated.

- 2.3 Safety and security requirements, including personal protective clothing and equipment are obtained and applied to the allocated task.
- 2.4 Materials, tools and equipment are selected according to job requirements.
- 2.5 Primers and paint are mixed before application according to product requirements.
- 2.6 Spot sheets are placed where required and adjoining surfaces are protected from spills and splashes.

Element 3: Prime surfaces for painting

Performance Criteria

- 3.1 Materials, tools and equipment are used and maintained according to best industry practice.
- 3.2 Further imperfections are filled and surfaces are made free of protruding objects or contaminating agents.
- 3.3 Sequence of filling and primer application is done according to best industry practice.
- 3.4 All primers are applied without runs or misses and with appropriate thickness according to best industry practice.
- 3.5 Primers are allowed to dry according to manufacturer's recommendations.

Element 4: Coat surfaces with paint

Performance Criteria

- 4.1 All coats are applied without runs or misses and with appropriate thickness according to best industry practice.
- 4.2 All coats are allowed to dry according to manufacturer's recommendations.
- 4.3 All undercoats are prepared before final coats are applied.
- 4.4 Final coats are covered evenly over any undercoats according to best industry practice.
- 4.5 Materials, tools and equipment are used according to best industry practice.

Element 5: Clean up work area

Performance Criteria

- 5.1 Tools and equipment are maintained and stored according to best industry practice and workplace procedures.
- 5.2 Flammable equipment, hazardous substances and materials are handled and stored according to legal requirements and workplace procedures.
- 5.3 Paint fumes and dust are managed according to health and safety regulations.
- 5.4 Waste are removed and disposed of in accordance with legal requirements and workplace procedures.
- 5.5 The environment and public are informed through signage, notices, announcements and/or warnings.

Registration Data

Subfield:	Facility Maintenance
Date first registered:	
Date this version registered:	
Anticipated review:	
Body responsible for review:	Namibia Training Authority