

MSFFL3108 Polish concrete floors

Modification History

Release 1. Supersedes and is equivalent to MSFFL3056 Polish concrete floors. Changes to application, elements and performance criteria to improve clarity and consistency across MSFFL units.

Application

This unit describes the skills and knowledge required to clean, prepare and polish concrete floors.

Workers with this competency undertake routine tasks on residential and nonresidential/commercial sites according to job instructions and workplace procedures using discretion, judgement and problem-solving to identify and resolve routine issues. They work with a high degree of self-direction under routine supervision, and they are responsible for their output.

The work described in this unit may require a licence or certification in some jurisdictions, and state or territory authorities should be consulted to determine the current status. Workers on construction sites are required by law to complete induction training. They must also comply with Australian Standards, codes and manufacturers' installation instructions.

Prerequisite Unit

None

Unit Sector

Flooring technology

Elements and Performance Criteria

Workers with this competency can do the following.

Elements	Performance Criteria
1. Prepare to polish concrete floors	1.1 Interpret concrete polishing requirements from job instructions 1.2 Identify hazards and check risk treatments are in place and operating 1.3 Select and check concrete grinding, polishing and other required equipment and tools are ready to use, and organise to fix any deficiencies according to workplace procedures 1.4 Gather cleaning chemicals, preparation and finishing products and other materials required by job instructions, and check they meet quality requirements and are ready to use according to manufacturers' instructions
2. Clean and prepare the concrete floor	2.1 Remove fittings, fixtures, loose debris, dirt, adhesives, paint and other items and contaminants from the floor using appropriate methods and products 2.2 Measure and mix cleaning chemicals, if required, in the correct ratios according to the manufacturer's instructions 2.3 Set up the polishing machine with the machine rotation speed, direction and diamond tools appropriate for removing contaminants 2.6 Operate the polishing machine to remove contaminants according to job instructions
3. Operate polishing machinery to polish the floor	3.1 Operate the polishing machine to establish a passing pattern, and polish the concrete floor according to workplace procedures and job instructions 3.2 Overlap outer zones and stagger passes to achieve the desired finish

Elements	Performance Criteria
	3.3 Continually monitor the machine to ensure its motors are running within the manufacturer's safe operating limits and there are no apparent electrical faults 3.4 Polish the floor's perimeter using edge and corner polishing equipment and appropriate attachments 3.5 Identify excessive wear on the polishing machine and accessories during the polishing process and change the tools or fix any deficiencies according to workplace procedures 3.6 Buff the floor using buffing pads 3.7 Check the floor is polished correctly according to job instructions and quality requirements, and fix any deficiencies
4. Complete the task according to workplace procedures	4.1 Clean up the work area, identify items for recycling and dispose of waste 4.2 Identify, tag and report any damage to equipment and tools 4.3 Check, clean and do routine maintenance on equipment and tools and store them and unused materials 4.4 Complete task outcome documentation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to MSFFL3056 Polish concrete floors.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements

Performance Evidence

There must be evidence the candidate has completed the tasks in the elements and performance criteria of this unit of competency and has demonstrated the ability to:

- complete according to job instructions the polishing of at least one new concrete floor and one existing concrete floor
- use at least two of the following concrete polishing equipment, each of a different size:
 - single-headed
 - planetary-action
 - hand-grinding and edging machine.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- manufacturer's instructions for the use of cleaning chemicals, preparation and finishing products and other materials required by job instructions
- the safe and correct use of and maintenance requirements for tools and equipment for polishing concrete floors including dust and/or vacuum systems, diamond abrasives and factors that affect diamond wear

- the most common issues that can arise when polishing concrete floors and how to avoid and respond to them
- workplace policies and procedures relevant to their job role and responsibilities including for:
- polishing concrete floors
- communication and reporting
- environmental protection and sustainability, including maximising resource utilisation and minimising waste
- quality indicators for completed work and process improvements
- work health and safety, including the use of personal protective equipment and safety data sheets
- work planning
- how to identify if a concrete floor is prepared, clean and otherwise suitable for polishing
- how to identify if a concrete floor has been polished correctly.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
- concrete floors for polishing
- cleaning chemicals, preparation and finishing products and other materials required by job instructions
- equipment and tools required for the activities set out in the elements and performance criteria, including those to control hazards
- job instructions and workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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