



Australian Government

MSFFL2012 Select, operate and maintain shot blasting equipment

Release: 1

MSFFL2012 Select, operate and maintain shot blasting equipment

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers selecting, operating and maintaining shot blasting equipment in applications relating to floor preparation.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking flooring work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Identify shot blasting equipment	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to the use of shot blasting equipment are verified and complied with
		1.2	Types of shot blasting equipment and their functions are identified from relevant information sources
		1.3	Instructions and/or plans are read and interpreted to identify the process required to complete work tasks
2	Select shot blasting equipment	2.1	Shot blasting equipment and shot size are selected consistent with the needs of the job
		2.2	Shot blasting equipment is checked for serviceability and safety and any faults are corrected or processed for repair

3	Clean and prepare sub-floor	3.1	Appropriate personal protective equipment is selected, correctly fitted and used
		3.2	Fittings and fixtures are removed from the sub-floor
		3.3	Sub-floor is cleared of loose debris and dirt, and cleaned
4	Shot blast the floor	4.1	Work sequence and starting point are selected
		4.2	Perimeter is shot blasted using light equipment and appropriate cutter
		4.3	Main area is shot blasted to the required standard using the most appropriate available equipment in accordance with manufacturer specifications
		4.4	Floor area is cleaned, inspected and re-worked as required
5	Complete housekeeping	5.1	Tools and equipment are cleaned and stored appropriately
		5.2	Work area is cleaned and rubbish disposed of appropriately
		5.3	Workplace documentation is completed

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures

	or equivalent
	- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements - work requires individual to demonstrate some discretion, judgement and problem solving
Sources of power supply include:	electrical (single or three-phase) and gas
Attachments include:	air cleaning/vacuum systems
Fault reporting includes:	verbal or written reporting
Fittings and fixtures include:	- nails - door stops - gripper strips - metal mouldings
Australian Standards include:	- AS/NZS 2455.1:2007 Textile floor coverings - Installation practice - General - AS 1884-2012 Floor coverings - Resilient sheet and tiles - Installation practices
Personal protective equipment includes:	that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures include:	- workplace procedures relating to the use of tools and equipment - work instructions, including job sheets, cutting lists, plans, drawings and designs - workplace procedures relating to reporting and communication - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFL2108A Select, operate and maintain shot blasting equipment

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSFFL2012 Select, operate and maintain shot blasting equipment

Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Shot blast a minimum of two (2) concrete sub-floors to the relevant Australian Standard
- Complete operator maintenance on shot blasting equipment
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to shot blasting
- Australian Standards, including AS/NZS 2455.1:2007 Textile floor coverings - Installation practice – General, and AS 1884-2012 Floor coverings - Resilient sheet and tiles - Installation practices
- Organisational and site standards, requirements, policies and procedures for the use of shot blasting equipment
- Types of shot blasters and procedures for their safe use, operation and maintenance
- Shot blaster attachments, their uses, limitations and maintenance requirements
- Characteristics, uses and limitations of the available shot sizes
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to shot blasting equipment and manufacturer/user instructions and/or manuals, and a reasonable shot blasting task.

Links

Companion Volume implementation guides are found in VETNet -

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